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Montana Power Company
The Montana Power Company long range plan

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THE MONTANA POWER COMPANY

1976 LONG RANGE PLAN

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THE MONTANA POWER COMPANY

LONG RANGE PLAN

Filed as of April 1, 1976

Pursuant to the Montana Major Facilities Siting Act

I-1. INTRODUCTION

Pursuant to Section 70-814 of the Montana Major Facilities Siting Act (formerly Montana Utility Siting Act of 1973), hereinafter referred to as the "Act", and Section 36-2.8(6)-S870 of the regulations issued thereunder, hereinafter referred to as "Regulations", The Montana Power Company hereby submits as of April 1, 1976 its annual long-range plan to the Montana Department of Natural Resources and Conservation. Certain voluminous exhibits which are part of this long-range plan are not included in each copy of the plan, but are on file with the Montana Department of Natural Resources and Conservation for inspection.

It should be noted that the information in this long-range plan represents the best efforts of The Montana Power Company to set forth its plans and projections based on present knowledge, data and circumstances. Because present circumstances may unpredictably change, the plans and projections set forth herein may also necessarily change.

II. THE GENERAL LOCATION, SIZE AND TYPE OF THE UTILITY FACILITY TO BE OWNED AND OPERATED BY THE MONTANA POWER COMPANY, WHOSE CONSTRUCTION IS PROJECTED AS OF APRIL 1, 1976, TO COMMENCE DURING THE ENSUING TEN YEARS, AS WELL AS THOSE FACILITIES TO BE REMOVED FROM SERVICE DURING THE PLANNING PERIOD.[1]

II-1. Energy, Generating and Conversion Plant and Associated Facilities

Energy, generating and conversion plants to be owned and operated by The Montana Power Company whose construction is projected to commence during the ensuing ten (10) years, including an estimate of applicable filing dates, are shown on the attached chart marked Exhibit "A", and are discussed below.

II-1.1. Colstrip Units 3 and 4

Application for a 1400 megawatt coal-fired steam generation plant (Colstrip Units 3 and 4) to be built at Colstrip, Montana, was filed by The Montana Power Company along with Puget Sound Power & Light Company, Portland General Electric Company, The Washington Water Power Company and Pacific Power & Light Company ("Applicants") on June 6, 1973. The Applicants requested construction of Colstrip Units 3 and 4 be allowed to commence on or before May 1, 1974. The Applicants originally scheduled commercial operation of Colstrip Unit 3 to commence in July, 1978 and Unit 4 to commence in July, 1979. The Applicants' schedule for Colstrip Units 3 and 4 has been delayed two years because of delays

1. Montana Major Facilities Siting Act, 70-814 (1)(a); Montana Administrative Code §36-2.8(6)-S870(1)(a)(b)(c)(2)

in receiving approval under the Act. Colstrip Unit 3 commercial operation is now scheduled for July, 1980, and Colstrip Unit 4 commercial operation is now scheduled for July, 1981 by the Applicants. There is no viable alternative to Colstrip Units 3 and 4 to meet the 1980-81 electrical demands. See copy of letter dated May 3, 1974 to Mr. Gary J. Wicks from Mr. William H. Coldiron attached hereto marked Exhibit "B".

II-1.2 Hydro Generation

The Montana Power Company ("Company") and the Confederated Kootenai and Salish Tribes ("Tribes") filed application with the Federal Power Commission for the construction of two hydroelectric projects referred to as "Buffalo Rapids No. 2" and "Buffalo Rapids No. 4", to be located on the Flathead River in Sanders and Lake Counties, Montana. By Order issued December 15, 1975, the Federal Power Commission dismissed the application because no agreement was reached between the Company and Tribes. If and when "Buffalo Rapids No. 2" and "Buffalo Rapids No. 4" are built depends on whether the Company can reach an agreement with the Tribes, then refile for and receive a license from the Federal Power Commission for the proposed units.

If The Montana Power Company can reach agreement with the Confederated Kootenai and Salish Tribes, The Montana Power Company is considering and studying the possibilities of installing a fourth 60-80 megawatt unit at Kerr and/or refitting/rewinding the present Kerr units to increase present capacity by about 25-35%. Implementation of either of these possibilities would

require receipt of an amended license from the Federal Power Commission. In any event, construction on either of these projects probably would not commence prior to 1980.

II-1.3 Other Generation

Assuming that Colstrip Units 3 and 4 are constructed as discussed above, The Montana Power Company system would become deficient starting in 1986-87. To cover these deficiencies projected for the late 1980's, different possibilities or a combination thereof exist. However, not all of such possibilities would be developed within this time frame. Construction of Buffalo Rapids No. 2 and No. 4 and/or adding a fourth unit at Kerr, and/or increasing capacity at Kerr are possibilities. Construction of these hydro projects would, of course, and as discussed above, depend on agreements with the Indians, issuance of licenses from the Federal Power Commission, and any other necessary requirements. Construction of additional thermal generation somewhere in Montana, or participation by The Montana Power Company in generation plants outside Montana, are other possibilities in order to meet load responsibilities in the late 1980's.

II-1.4 Gasification Plant and Associated Facilities

The Montana Power Company has under consideration participation in the construction of one or more coal gasification plants. Because of the enormous investment requirement to construct such a plant, it would be impossible for Montana Power to construct such a plant alone. A partner or partners, with substantial financial standing, would be

required to raise the necessary capital for such a plant. Whether a coal gasification plant or plants would be proposed within the next ten years will depend, among other things, on such factors as the continued availability of gas from Canada, new discoveries of gas available to Montana Power in Montana and neighboring states, and availability of capital.

II-2. Electric Transmission Lines

Electric transmission lines projected to commence during the next ten years may be classified for purposes of discussion into three groups. The first group consists of those transmission lines for which study has been made by The Montana Power Company and application has or will most likely be made in the near future. A second group consists of transmission lines which are now under study by The Montana Power Company generally for system improvement for which application may be made during the next ten years depending upon several factors, including the results of studies now under way by The Montana Power Company and future load growth and the location of new generation that comes on line. A third group consists of transmission lines for which application may be made depending upon such things as development of mining, irrigation, industrial or other particular loads.

The transmission lines in this first group with their appropriate length and voltage and their approximate date for filing of application and construction, are shown on the attached chart marked Exhibit "C". As shown on Exhibit "C", application

will be filed soon for the Broadview-Roundup-Glengarry (a joint project to be constructed by The Montana Power Company and Fergus Electric Cooperative) 100-kV line.

The transmission lines in the second group along with their approximate length and voltage and approximate date for filing of application and construction are shown on the attached chart marked Exhibit "D".

The transmission lines in the third group, along with their probable voltage, are shown on the attached chart marked Exhibit "E".

III. A DESCRIPTION OF EFFORTS BY THE MONTANA POWER COMPANY TO COORDINATE ITS PLANS WITH OTHER UTILITIES AS TO PROVIDE A COORDINATED REGIONAL PLAN FOR MEETING THE UTILITIES' NEEDS OF THE REGIONS.[2]

III-1. General

Two basic facts are evident from examining The Montana Power Company's coordinated regional planning. First, there is a great amount of cooperation among private and public utilities in the Pacific Northwest. Secondly, there are many benefits to The Montana Power Company and other utilities in the Pacific Northwest and to their customers as a result of this regional cooperation.

III-2. Cooperation Among Utilities

Cooperation among utilities in the Pacific Northwest

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2 Montana Major Facilities Siting Act, §70-814(1)(b) R.C.M. 1947; Montana Administrative Code §36-2.8(6)-S870(5).

has historically evolved, and now is structured by various organizations and agreements. For example, these organizations and agreements include:

(1) Western Systems Coordinating Council which was organized August 4, 1967 to promote reliability of bulk power electric systems in the West. Members now include 19 investor owned and 25 publicly or cooperative owned systems as well as 14 affiliated member electrical systems. The area covers all or parts of 14 western states and British Columbia. The purpose of the council is to provide a formal means for exchange of data and information and to make regional studies and recommendations that will have a favorable bearing on the reliability and adequacy of electric service in the West.

(2) The Pacific Northwest Utilities Conference Committee consists of 108 non-federal public agencies and 5 private companies. Its purposes include the coordination of load/resource planning in the Northwest region. The Montana Power Company is now an active and formal member of the Committee.

(3) The Joint Power Planning Council also works with regional loads and resources. The Montana Power Company is actively represented in the Council.

(4) The Northwest Power Pool, of which The Montana Power Company is one of the organizers, coordinates the bulk power system operation in the Northwest area. It is a long-standing and successful voluntary power pool and one of the oldest in the nation. Members of the NWPP coordinate and

optimize their respective bulk system operations to enhance reliability and efficiency.

(5) The Intercompany Pool (ICP) is a new formal power pool organization of seven investor-owned utilities within the Northwest Power Pool area. Its express purposes include joint planning for additional required resources and transmission, pooling of reserve requirements, and optimizing use and distribution of secondary energy among the members.

(6) The Pacific Northwest Coordination Agreement was culminated in 1964 after years of negotiation among private and public utilities on the Columbia River System. Its principal purposes are to coordinate and optimize hydro generation operation and to allow equitable distribution of benefits from hydro storage developments on the Columbia River Basin. It is also active in the development of large shared thermal-electric generating plants under the Hydrothermal Program.

(7) The Pacific Northwest Power Company, of which The Montana Power Company is a participant, was formed to pursue development of hydro generation, particularly on the Snake River.

(8) Other agreements among individual utilities such as AMPS Agreement (Associated Mountain Power Systems), consisting of Pacific Power & Light Company, Utah Power & Light Company, Washington Water Power Company, The Montana Power Company and Idaho Power Company, are designed for the exchange of power and sharing of transmission capacity. For

a limited period this agreement also provided for sharing the costs and outputs of particular steam-generating plants in Wyoming.

(9) There are also agreements and working relationships with the Federal Agencies such as the Bonneville Power Administration and the Bureau of Reclamation, and agreement with various cooperatives in the state of Montana such as the Central Montana G & T and other system review with Co-ops in Montana.

III-2.1 Benefits of Regional Cooperation

The benefits of such regional agreements and organizations as discussed above are:

(1) Maximizing the use of resources;

(2) Minimizing the cost of energy to the utilities and to their customers;

(3) Providing reliability and better service; and

(4) Minimizing environmental impact.

These benefits and objectives are studied and pursued in consideration of climates, water sheds, time zones, types of loads, etc., of each utility in the region. The exchange of power among utilities in the joint participation and construction and operation of facilities inures to all of these objectives.

An example of this type of regional planning by the Pacific Northwest utilities is found in the annual West Group Forecast of the Pacific Northwest Utilities Conference Committee, which lists the combined regional loads of the area and the

combined resources available to meet those loads. Included in those resources are many jointly-planned plants to supply future resource requirements. Current summaries of loads and lists of future resources are shown on Exhibit "F" attached hereto excerpted from the 1976 West Group Forecast.

This regional cooperation allows a utility such as The Montana Power Company, which may have deficiency over a period of years, to import power from another state and utility in order to meet its deficiencies. Such an exchange of power and participation keeps the utility from having to build several small facilities every time the utility has a slight increase in load demand. The utility may be an importer for a period of time, and then it may be an exporter, and then in a few years it will become an importer again.

This exchange of power among utilities in the Northwest may also occur at certain times of the year and times of the day, because of the diversity of peak loads among utilities in this region.

Furthermore, regional cooperation and interconnected systems provide greater reliability to the customers of all regions. For example, if one utility's generation or transmission is out of service, another utility's facilities may help accommodate the utility with facilities out of service.

Furthermore, for the same amount of energy and service,

the cost of construction and operation of fewer large facilities is less than the cost of construction and operation of many smaller facilities. This helps get energy to customers at the lowest possible rate.

Furthermore, fewer large facilities often have less environmental impact than many smaller facilities. For example, one larger transmission line may be built in lieu of several smaller transmission lines.

In summary, these objectives and resulting benefits of regional cooperation are in the interest of each utility and each of their customers. It is submitted that this regional cooperation is envisioned in siting legislation such as the Montana Major Facilities Siting Act.

IV. A DESCRIPTION OF THE MONTANA POWER COMPANY'S EFFORT TO INVOLVE ENVIRONMENTAL PROTECTION AND LAND USE PLANNING AGENCIES IN THE PLANNING PROCESS, AS WELL AS OTHER EFFORTS OF THE MONTANA POWER COMPANY TO IDENTIFY AND TO MINIMIZE ENVIRONMENTAL PROBLEMS AT THE EARLIEST POSSIBLE STAGE IN THE PLANNING PROCESS.[3]

IV-1. General Policy

The Montana Power Company's policy and practice are to communicate and cooperate with Federal and State agencies as well as citizen and public interest groups on all energy and environmental matters to the extent practical.

IV-2. Participation in Land Use and Environmental Planning

The Montana Power Company cooperates with Federal and

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3. Montana Major Facilities Siting Act §70-814(1)(c).

State government agencies regarding land use planning and environmental protection. For example, The Montana Power Company has participated in the multiple use plans of the United States Forest Service and the United States Bureau of Land Management. Montana Power also participates in a number of EPA activities, committees and seminars as well as committees of state agencies such as the Department of Health and Environmental Sciences.

The Montana Power Company also actively participates in a number of citizen groups and technical advisory groups concerned with the environment and the land use planning such as the Rock Creek Advisory Committee, the Natural Areas Committee, the Natural Resource Committee, Montana State Rural Areas Development, Montana Committee for Humanities and various water quality area planning organizations.

Representatives of The Montana Power Company also participate in a number of industry associations and groups concerned with environmental and land use planning such as the Edison Electric Institute Environment and Energy Committee, the NELPA Environmental Committee, and the American Right of Way Association, and WSCC Environmental Committee.

With regard to particular projects, such as the proposed Colstrip Units 3 and 4, The Montana Power Company cooperates and works with government agencies, citizen groups, and the general public in the development of such proposals.

V. PROJECTIONS OF THE DEMAND FOR SERVICES RENDERED BY THE MONTANA POWER COMPANY AND EXPLANATION OF THE BASIS FOR SUCH PROJECTIONS, AND A DESCRIPTION OF THE MANNER AND EXTENT TO WHICH THE PROPOSED FACILITIES WILL MEET THE PROJECTED DEMAND. [4]

V-1. General

The Montana Power Company continuously monitors the demand for electricity and studies and pursues alternate resources to meet the demand. In addition to following national and regional trends in energy use, and developments in resource technology, the Company also makes load and resource forecasts of its own total system.

V-1.2 System Load and Resource Forecast For the Montana Power Company Total System

Load and resource forecasts are reviewed and updated frequently. These load and resource forecasts for the total Montana Power Company system are based not only on historical trends, but also are weighted in light of other factors such as anticipated additions or reductions of known loads, weather, economic conditions and many other factors. It is important to note that during the past twenty years the load projections of The Montana Power Company have been very accurate and, if anything, have under-projected load growth.

The method by which The Montana Power Company forecasts its loads is as follows: First, the Company separates

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4. Montana Utility Siting Act Section 70-814(1)(d); Montana Administrative Code Section 36-2.8(6)-S870(3)(4).

the total load into a "base"component and a "block" component. The latter consists of a small number of large industrial users whose loads have exhibited no discernible trend over the years. Future loads for this group, both peak and average energy, are projected on a customer-by-customer basis. Future loads for the remaining component, the "base" component, are projected by means of trend extrapolation. Both peak and average energy loads are projected for this component as well as for the "block" load component. Overall, Montana Power's methods of forecasting loads are similar to those traditionally employed by most other utility companies.

The Montana Power Company also continuously monitors its own load and resource projections. Attached hereto as Exhibits "G" and "H" are the load and resource projections as of January 19, 1976 for The Montana Power Company's system for each of the next ten years. These load and resource projections present projections for average energy and peak loads, both including Colstrip Units 3 and 4 (Exhibit "G"), and excluding Colstrip Units 3 and 4 (Exhibit "H").

V-1.3 Substation Load Analysis

In addition to making load and resource forecasts for its total system, The Montana Power Company also monitors loads on each of its approximately 600 substations throughout its service area. The monthly peak and average kilowatts used at each of these substations during 1975 are shown on the attached table marked Exhibit "I" entitled, "1975 Peak and Average Kilowatt Readings for Distribution Substations". Future

energy demand patterns of a substation unit area for annual imcrements for the next ten years are shown on the attached table marked Exhibit "K" entitled "Estimated Peak Substation Load in Kilowatts 1976-1986".[5] The area that each of the substations serves is indicated in the map format and the substation identified by its installation number as required by the regulations.[6] The map showing the substations is marked Exhibit "J".

The "NA" designation on Exhibit "I" indicates that the reading for that particular substation was not acceptable. Such a designation is a result of several possible reasons, including that the substation reading was obviously incorrect or no reading was reported.

The Estimated Peak Substation Load shown on Exhibit "K" is based on a recording period from April to April. For this reason, the column headings are not listed as a singular year. This is done so that the winter peaks may be recorded for the three consecutive winter months of December, January and February, i.e., the 75-76 peaks including December of 1975 and January and February of 1976 (January, 1975 is not included). The peaks indicated are not coincidental. They represent the maximum peak reading anticipated for the year and may occur at any time during the year.

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5. Montana Administrative Code Section 36-2.8(6)-S870(4)
6. Montana Administrative Code Section 36-2.8(6)-S870(3)

The basic projections were made by fitting a compound growth curve by means of a least squares method fit to the existing data. The projections were then analyzed for their validity, taking into consideration the number of years of data the projection was based on, recent trends in the area, and expected load additions. If a projection made by the computer is obviously not valid, a reasonable prediction is made based on historical and known load growth data for the area.

V-1.4 Meeting System Loads

Projections based on continuous monitoring of substations and other factors are studied by The Montana Power Company to determine what expansion programs are necessary on its system. Expansion programs may mean increasing transformer size for capability, adding additional transformers or building new substations, or building new transmission or generation facilities. New substations or a shifting of loads from substation to substation or transformer to transformer may give an erroneous impression of actual area growth. A careful analysis of changes which have taken place is necessary to determine actual load growth in an area. To establish load growth rates, many factors must be considered and analyzed. Weather conditions, extended outages, switching of loads, construction procedures, industrial and commercial development, urban development, development of residential subdivisions, irrigation and pumping, and air conditioning requirements are some of these factors which must be considered as they may affect

load growth rates. When accurate substation growth rates are determined, then "load flow" computer programs are developed from these rates and are used as an aid in determining transmission line requirements.

When it appears that additional transmission lines or generation are needed as a result of this monthly and yearly monitoring of substation load changes and as a result of all of the many other factors such as weather conditions, extended outages, switching of loads, industrial and commercial development, urban development, irrigation and pumping, etc., then more detailed studies of transmission line and generation requirements are made.

In addition to the continuous monitoring of the entire system by monthly and yearly changes, The Montana Power Company also takes into consideration the anticipated or trends in type of load growth. For example, The Montana Power Company considers inquiries or requests for major additional loads from industrial, agricultural or other sources. The Montana Power Company also considers and anticipates that certain uses of electricity, such as the use of electricity for sprinkler irrigation or home heating, will create substantial additions to its load demand.

The Montana Power Company, in an attempt to fulfill its responsibility to provide electric service to its customers, attempts to balance electrical resources against electrical load. This is done on both a peak and energy basis. Such forecasts must also include consideration of reserves which are required to make sure that the Company can serve its customers

at all times. The forecasts also take into account required down time of plants and facilities for maintenance and contracts of exchange with other utilities. When it is determined that a new source of generation or transmission is needed, The Montana Power Company considers the alternatives for meeting these requirements and makes further detailed studies regarding the needed facility. As pointed out in Section III hereof, such studies are often conducted in cooperation with other utilities in the region.

The general size and type of utility facilities to be owned and operated by The Montana Power Company, which are discussed in Section II above, are a result of all of these studies and considerations regarding projection and demand. If the facilities that are proposed in Section II above are allowed to be built as scheduled by The Montana Power Company, such facilities should adequately meet the projected demand. For example, as shown on Exhibit "G", if Colstrip Units 3 and 4 are not built, we will face serious peak and energy deficiencies starting in 1979-80.

GENERATION

	1976				1977		1978		1979	1980	1981	1982	1983	1984	1985
	1st	2nd	3rd	4th	1st	2nd	1st	2nd							
Colstrip #3	S	S	C	C	C	C	C	C	C	C					
Colstrip #4	S	S	C	C	C	C	C	C	C	C	C				
Buffalo Rapids													C	C	C
350 MW Coal Fired Plant												F	S	S	C

F - File Application with Department of Natural Resources and Conservation

S - DNR Study Time of Application

C - Construction

Possible Schedules		Completion Date
1. Buffalo Rapids Nos. 2 and 4	:	1986-87
2. Kerr Unit No. 4	:	1988-89
3. 350 MW Coal-Fired Plant	:	1989-1990

EXHIBIT "A"

EXHIBIT "B"

THE MONTANA POWER COMPANY
GENERAL OFFICES. 40 EAST BROADWAY, BUTTE, MONTANA 59701 · TELEPHONE 406 | 723-5421
SERVING YOU IS OUR BUSINESS

May 3, 1974

Mr. Gary J. Wicks, Director
Department of Natural Resources and Conservation
32 South Ewing
Helena, Montana 59601

Dear Sir:

In the Long Range Plan filed by The Montana Power Company on April 1, 1974, pursuant to Section 14 of the Montana Utility Siting Act of 1973, it is stated on page 2:

"If Unit Nos. 3 and 4 are not built as proposed by the Applicants, The Montana Power Company is considering construction of a third 350 megawatt or larger unit to be constructed at Colstrip in 1979, and additional generation, probably gas turbines of 150 megawatt capacity, would be required somewhere on The Montana Power Company System to meet generation requirements by December 1978."

This implies that 150 megawatts of gas turbines in commercial operation by December 1978 plus an additional 350 megawatt or larger plant at Colstrip in commercial operation by mid-1979, would be a viable alternative to Colstrip Units Nos. 3 and 4 insofar as The Montana Power Company is concerned. Such is not now the case.

Because of regulatory time requirements, of changes in the availability of gas and oil on a worldwide basis, including Montana, the restrictions on the importation of gas from Canada and the priorities on the use of gas and oil fixed by Federal authorities, generation by gas turbines in 1978 now appears to be impractical, if not impossible.

Due to regulatory time requirements and the unavailability of machinery, equipment and material, it would not be possible to have a 350 megawatt or larger plant in commercial operation at Colstrip by mid-1979.

As you know, electric generating plants are not "shelf items". They must be engineered and manufactured on a custom basis. Deliveries of major items of equipment are now being projected at extremely long periods. For example,

we have just been informed that delivery time on a large dragline is now 86 months, 7 years. This is but illustrative of the problems involved in undertaking major construction.

When the time schedules involved in the regulatory process are considered with the projected delivery dates of equipment and time required for engineering and other necessary preliminary work, it appears that the construction of a 350 megawatt or larger plant for commercial operation by mid-1979 is not now possible.

The Montana Power Company is giving most serious consideration to the alternatives, if any, which may be open to it in order to serve the energy needs of the people of its service area if Colstrip Units Nos. 3 and 4 are not constructed in accordance with the projected schedules. It is obvious to us at this point in time that the projected combination of 150 megawatts of gas turbine capacity for 1978 plus an additional 350 megawatt, or larger, plant at Colstrip for 1979 is not a viable alternative to Colstrip Units Nos. 3 and 4.

We will be happy to discuss this matter with you at your convenience.

Very truly yours,

THE MONTANA POWER COMPANY

By _____
William H. Coldiron, Vice
President and General Counsel

cc: Mr. Joseph Sabol
Mr. Dean Hanson
Mr. Riley Ostby
Mr. Wilson F. Clark
Mr. Cecil Weeding
Mr. Owen E. Sowerwine
Mr. David Drum
Mr. Albert Taso

F-File Application with DNR
S-DNR Study Time of Application
C-Construction

TRANSMISSION

Project	Approx Length (Miles)	Voltage (kV)	1976 1st Qtr	1976 2nd Qtr	1976 3rd Qtr	1976 4th Qtr	1977 1st Half	1977 2nd Half	1978 1st Half	1978 2nd Half	1979	1980	1981	1982	1983	1984	1985	1986
Billings-Great Falls	180	230	C															
Wilsall-Clyde Park	11	161	C	C	C													
Clyde Park-Bozeman "B"	30	161	C	C	C	C												
Clyde Park-Emmigrant	39	161	S	C	C	C	C											
Dillon-Big Sky	76	161	S	C	C	C	C	C										
Bozeman-Ennis	52	161	S	C	C	C	C	C	C	C								
Broadview-Alkali Creek	18	230	S	S	C	C												
Colstrip-Hot Springs "A"	430	500	S	S	C	C	C	C	C	C	C	C						
*Broadview-Roundup-Glengarry	120	100		F	S	S	S	S	S	C	C							
Anaconda-Hamilton	65	161	S	S	S	C	C	C	C	C	C							
Colstrip Broadview	112	230	C	C														
Broadview-Hot Springs "B"	315	500	S	S	C	C	C	C	C	C	C	C	C					

*Request for Expedited Schedule Will Be Made

EXHIBIT "C"

F-Filing Date
S-DNR Study
C-Construction

POTENTIAL TRANSMISSION PROJECTS FOR SYSTEM IMPROVEMENT

Name	Length (Approx)	Voltage (kV)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
*Billings-Great Falls(B)	180	230						F	S	C	C	
*Colstrip-Billings	100	230						F	S	C	C	
*Billings-Anaconda	225	230	F	S	C	C	(Necessary if 500 kV projects not approved)					
*Kerr-Hot Springs	25	230				F	S	C	C			
Bridger-Red Lodge-Nye	40	100			F	S	C	C				
Convert Rimrock-Bellrock 8th Street 50 kV	12	100								F	S	C
Anaconda-Phillipsburg-Drummond	60	100		F	S	C	C	(Necessary if Anaconda-Hamilton 161 kV is not approved)				
Laurel Tie	15	230				F	S	C				
Water Pump East of Colstrip	10	115					F	S	C			
Helena Valley-East Helena	10	100					F	S	C			
Loweth-White Sulphur	25	100								F	S	C
Assinniboine-Glasgow	175	161						F	S	C	C	
Canyon Ferry Tap-Great Falls (2 lines-reconductor)	70	100			F	S	C					

*Contingent on outcome of current Colstrip #3 & #4 Proceedings

EXHIBIT "D"
Page 1 of 2

F-Filing Date
S-DNR Stud
C-Construc ion

POTENTIAL TRANSMISSION PROJECTS FOR SYSTEM IMPROVEMENT

Name	Length (Approx)	Voltage (kV)	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Plains-Superior	25	100			F	S	C					
Billings-Hardin	50	115				F	S	C	C			
Great Falls-Conrad-Browning	100	115		F	S	C	C	C				
Helena-Anaconda	60	230				F	S	S	C	C		
Big Timber-Red Lodge	65	161		F	S	S	S	C	C			

EXHIBIT "E"

TRANSMISSION PROJECTS FOR POTENTIAL LARGE ELECTRIC LOADS

	Probable Voltage (kV)
Dillon-Salmon Tie "A" Line	161
Dillon-Salmon Tie "B" Line	161
Columbus-Nye (2 lines)	161
Helena-Great Falls	230
Rattlesnake-Waldorf "A" Line	161
Rattlesnake-Waldorf "B" Line	161
Heddleston-Lincoln Area	230
Ennis-Sheridan	100
Montana St Sub-Divide	100
Thompson Falls Area	230
Gold Creek Area	Unknown
Chinook Area	161
Dillon Area	161
Colstrip Area	230
Conrad Area	115
Rocker Area	100
Ennis-Hebgen	161
Glasgow-Colstrip	230
Malta Area	161
Nichols Area	161

WEST GROUP FORECAST - ESTIMATED LOADS AND RESOURCES
JULY 1976 - JUNE 1987

Figures are megawatts.		1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
1. Total Area Peak Load (January)		23,136	24,626	26,108	27,476	28,917	30,245	31,658	33,081	34,608	36,200	37,896
2. Total Peak Resources 1/		27,056	28,535	31,788	34,105	35,150	36,314	37,694	41,620	41,769	44,146	45,561
3. Reserve Requirements		(2,776)	(3,201)	(3,655)	(4,121)	(4,627)	(5,142)	(5,698)	(6,285)	(6,922)	(7,240)	(7,579)
4. Peak Resources		24,280	25,334	28,133	29,984	30,523	31,172	31,996	35,335	34,847	36,906	37,982
5. Peak Surplus (Over Total Load)		1,144	708	2,025	2,508	1,606	927	338	2,254	239	706	86
6. Total July-June Energy Load		14,953	15,883	16,902	17,722	18,623	19,418	20,265	21,134	22,027	22,959	23,943
7. Total Energy Resources 1/		14,666	14,938	15,105	15,859	16,657	17,360	18,140	20,449	21,502	22,928	23,958
8. Reserve Requirements		(334)	(346)	(356)	(369)	(387)	(361)	(397)	(404)	(416)	(436)	(462)
9. Energy Resources		14,332	14,592	14,749	15,490	16,270	16,999	17,743	20,045	21,086	22,492	23,496
10. Energy Surplus (Over Total Load)		(621)	(1,291)	(2,153)	(2,232)	(2,353)	(2,419)	(2,522)	(1,089)	(941)	(467)	(447)
11. Area Interruptible Load (Included in Lines 1 and 6)	- Peak	1,054	1,085	1,162	1,213	1,257	1,219	1,170	1,179	1,189	1,198	1,209
	- Energy	1,019	1,047	1,146	1,181	1,224	1,184	1,131	1,142	1,151	1,161	1,172
12. Fossil-Thermal & Miscellaneous Resources (Not Included Above) 2/	- Peak	-	-	-	-	-	-	-	-	-	-	-
	- Energy	519	554	592	598	592	592	592	592	592	584	584
Probability of Meeting Total Energy Load in All Periods of: 3/												
13. Year Shown	- %	97.0	87.2	80.2	82.2	77.0	76.6	79.4	82.4	90.2	91.4	88.2
14. Years, 1976 Through Year Shown	- %	97.0	84.2	69.4	59.0	45.8	36.8	31.0	27.2	24.6	23.0	21.2
Probability of Meeting Firm Energy Load in All Periods of: 3/												
15. Year Shown	- %	100.0	91.4	87.6	89.8	88.4	85.6	89.2	91.2	94.4	97.6	95.8
16. Years, 1976 Through Year Shown	- %	100.0	91.4	81.2	74.6	67.2	58.0	54.0	49.2	47.2	46.6	44.8

1/ Resources include hydro; small fossil-fuel plants; Hanford-NPR through October 1977; Centralia; Trojan; West Group portion of Jim Bridger units; Colstrip #1 and #2 (50%), #3 and #4 (70%); WPPSS Nuclear #1, #2, #3, #4, #5; Boardman Coal; Skagit #1 and #2; Pebble Springs #1; and net contractual imports/exports with utilities outside the area. Hanford is not included as a peak resource. Estimated amounts for scheduled maintenance (energy only), hydro realization factor (peak only) and incremental losses have been deducted. All existing thermal units and future thermal units under 500 megawatts (peak and energy) are included in amounts as submitted by respective project owners. The energy availability of all future thermal units 500 megawatts or larger has been included as 60% the first full year and 75% thereafter.

2/ The energy megawatts tabulated in line 12 reflect the amounts of energy available from existing fossil and gas turbine installations which may be considered available as reserve energy resources. These amounts are in addition to those included as firm energy resources in line 7.

3/ Based on same load and resource data as other tabulations herein, except that there is no consideration of energy reserve requirements or realization factor.

WEST GROUP FORECAST - ESTIMATED LOADS AND RESOURCES -contd.
JULY 1976 - JUNE 1987

New Generating Units Installed During the Report Period

Plant	Initial Operation	Date of Completion	Nameplate Rating
Ice Harbor	Jan 1976	Jan 1976	333
Libby	Jan 1976	Jul 1984	630
Libby Reregulating	Jul 1983	Apr 1984	44
Grand Coulee	Apr 1976	Sep 1978	3,300
Grand Coulee Pump-Generators	Oct 1979	Oct 1980	200
Lost Creek	Oct 1976	Nov 1976	49
Teton	Jun 1976	Oct 1981	30
Chief Joseph	May 1977	May 1979	1,045
Lower Granite	Jan 1978	Mar 1978	405
Little Goose	Feb 1978	Apr 1978	405
Lower Monumental	Feb 1979	Apr 1979	405
Bonneville	May 1981	Jul 1982	544
Rock Island	Sep 1977	Oct 1978	408
Noxon Rapids	Nov 1977	Nov 1977	114
Colstrip #2 (50% for Area Resource)	Jul 1976	Jul 1976	179 *
Colstrip #3 and #4 (70% for Area Resource)	Jul 1979	Jul 1980	980 *
Skagit #1	Aug 1983	Aug 1983	1,330
Skagit #2	Aug 1986	Aug 1986	1,330
Trojan	May 1976	May 1976	1,216
Beaver Combustion Turbines (Combined-Cycle)	Nov 1977	Nov 1977	168
Boardman Coal (Carty)	Jul 1980	Jul 1980	550
Pebble Springs #1	Jul 1985	Jul 1985	1,295
Jim Bridger #3 and #4 (66.7% for Area Resource)	Oct 1976	Dec 1979	667 *
Washington Public Power Supply System #2	Jul 1979	Jul 1979	1,100
Washington Public Power Supply System #1	Mar 1981	Mar 1981	1,373
Washington Public Power Supply System #3	Mar 1982	Mar 1982	1,316
Washington Public Power Supply System #4	Mar 1982	Mar 1982	1,373
Washington Public Power Supply System #5	Sep 1983	Sep 1983	1,316
Total New Installations			22,105

December 31, 1975 Installed Capacity - Hydro		20,798	
- Hanford Steam		800	
- Existing Thermal & Miscellaneous		1,242	
- Centralia		1,330	
- Jim Bridger #2		500	
- Colstrip #1		179 *	24,849
Total Installed Capacity - Megawatts			46,954

* Portion of plant shown as a West Group area resource.

SUMMARY OF RESOURCES

CONTRACT YEAR ENERGY CAPABILITY - Mw	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
1. Columbia Mainstem Hydro	10,513	10,575	10,613	10,623	10,603	10,641	10,640	10,657	10,637	10,596	10,610
2. Seasonal Hydro	1,150	1,158	1,158	1,193	1,193	1,193	1,193	1,193	1,193	1,193	1,193
3. Pondage & Minor Hydro	323	323	323	323	323	323	323	323	323	323	323
4. Small Existing Thermal	253	275	275	275	274	274	274	274	274	273	273
5. Miscellaneous (Industrial)	9	9	9	9	9	9	9	9	9	9	9
6. Hanford Steam 1/	506	167	-	-	-	-	-	-	-	-	-
7. Centralia	910	910	910	910	910	910	910	910	910	910	910
8. Jim Bridger #1 and #2	348	416	430	457	437	463	437	463	437	463	458
9. Colstrip #1 and #2	267	274	280	255	293	293	274	280	280	280	280
10. Trojan	529	764	847	847	847	847	847	847	847	847	847
11. Jim Bridger #3 and #4	140	215	234	364	479	500	500	500	500	500	500
12. WNP #2	-	-	-	550	798	825	825	825	825	825	825
13. Colstrip #3 and #4	-	-	-	0	270	631	729	735	735	735	735
14. Boardman Coal (Carty)	-	-	-	-	250	362	375	375	375	375	375
15. WNP #1	-	-	-	-	0	0	562	891	938	938	938
16. WNP #3	-	-	-	-	-	0	0	620	899	930	930
17. WNP #4	-	-	-	-	-	0	0	562	891	938	938
18. Skagit #1	-	-	-	-	-	-	-	708	950	966	966
19. WNP #5	-	-	-	-	-	-	-	0	248	806	930
20. Pebble Springs #1	-	-	-	-	-	-	-	-	-	756	945
21. Skagit #2	-	-	-	-	-	-	-	-	-	-	708
22. Contracts to East	(229)	(173)	(155)	(136)	(157)	(156)	(147)	(157)	(184)	(149)	(149)
23. Contracts from East	183	225	306	310	246	185	146	116	97	96	96
24. Contracts to Pacific Southwest	(554)	(537)	(476)	(473)	(470)	(302)	(128)	(40)	(40)	(40)	(40)
25. Contracts from Pacific Southwest	399	416	429	429	429	429	429	415	415	415	415
26. Incremental Losses 2/	(30)	(29)	(27)	(27)	(27)	(16)	(6)	(4)	(4)	(4)	(4)
27. Estimated Hydro Maintenance	(51)	(50)	(51)	(50)	(50)	(51)	(52)	(53)	(53)	(53)	(53)
28. Total Energy Resources	14,666	14,938	15,105	15,859	16,657	17,360	18,140	20,449	21,502	22,928	23,958
29. Thermal & Miscellaneous Resources (Not Included Above)	519	554	592	598	592	592	592	592	592	584	584

1/ Hanford NPR operation is available through October 1977.

2/ Incremental losses from generator to border associated with deliveries under contracts with Pacific Southwest utilities.

THE MONTANA POWER COMPANY
LOADS AND RESOURCES
(Including Units #3 & #4)
AVERAGE ENERGY (MW)

Operating Year (July-June)	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
Firm Energy Load	628	655	694	745	800	846	887	932	979	1028	1080
Resources											
Hydro-Critical	337	337	337	337	337	337	337	337	337	337	337
Bird	157	157	157	157	157	157	157	157	157	157	157
Corette	103	165	165	165	165	165	165	165	165	165	165
* Colstrip No. 1	-	151	165	165	165	165	165	165	165	165	165
* Colstrip No. 2	-	-	-	-	-	193	210	210	210	210	210
* Colstrip No. 3	-	-	-	-	-	-	193	210	210	210	210
* Colstrip No. 4	-	-	-	-	-	10	5	-	-	-	-
BPA	40	40	35	30	20	12	13	13	14	14	15
BPA (Wheeling)	10	10	11	11	12	-	-	-	-	-	-
BPA (Offsets)	11	-	-	-	-	(18)	(18)	(18)	(18)	(18)	(18)
BPA (Energy for Peak Trade)	-	-	-	(14)	(18)	-	-	-	-	-	-
Hanford (Debt Service)	19	19	20	20	20	-	-	-	-	-	-
Hanford (Extension)	49	49	16	-	-	-	-	-	-	-	-
Hanford (5 mill)	5	-	-	-	-	-	-	-	-	-	-
WWP (Hanf. Trade)	(18)	(19)	(20)	(20)	(20)	-	-	-	-	-	-
WPPSS #1	-	-	-	-	-	68	68	68	68	68	68
Puget	4	(5)	-	-	-	-	-	-	-	-	-
Utah	(30)	(60)	(10)	-	-	-	-	-	-	-	-
Total Resources	687	844	876	851	838	1089	1295	1307	1308	1308	1309
Surplus over Firm Load with Critical Water	59	189	182	106	38	243	408	375	329	280	229
Less Maintenance & Availability Adj.	47	84	76	76	76	153	208	184	181	181	181
Interruptible included in Adjustment	13	14	15	16	17	18	19	21	22	24	25
NET SURPLUS	12	105	106	30	(38)	90	200	191	148	99	48
Median Water Adder	48	50	51	51	51	51	51	51	51	51	51
Bird (Maintenance & Availability deducted) (only if oil is available)	60	60	60	60	60	60	60	60	60	60	60

* Scheduled dates of operation
Colstrip No. 1 - Nov. 14, 1975
Colstrip No. 2 - Aug. 1, 1976
Colstrip No. 3 - Aug. 1, 1980
Colstrip No. 4 - Aug. 1, 1981

EXHIBIT "G" P. 1

THE MONTANA POWER COMPANY
LOADS AND RESOURCES
(Including Units #3 & #4)
ANNUAL PEAK (MW)

Operating Year (July-June)	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
Firm Peak Load	930	958	978	1028	1101	1180	1234	1291	1351	1413	1479
Resources											
Hydro	520	520	520	520	520	520	520	520	520	520	520
Bird	70	70	70	70	70	70	70	70	70	70	70
Corette	180	180	180	180	180	180	180	180	180	180	180
* Colstrip No. 1	165	165	165	165	165	165	165	165	165	165	165
* Colstrip No. 2	-	165	165	165	165	165	165	165	165	165	165
* Colstrip No. 3	-	-	-	-	-	210	210	210	210	210	210
* Colstrip No. 4	-	-	-	-	-	-	210	210	210	210	210
BPA	40	40	40	40	40	40	40	40	40	40	40
BPA (0%)	10	10	10	10	10	10	10	10	10	10	10
BPA (wheeling)	6	7	7	7	8	8	8	9	9	9	10
BPA (Offset for Peak Trade)	-	-	-	60	-	-	-	-	-	-	-
BPA (Energy for Peak Trade)	-	-	-	100	100	100	100	100	100	100	100
Hanford (Debt Service)	19	19	20	20	20	-	-	-	-	-	-
Hanford (Extension)	84	84	-	-	-	-	-	-	-	-	-
WWP (Hanford Trade)	21	22	22	22	23	-	-	-	-	-	-
WWP	30	-	-	-	-	-	-	-	-	-	-
WPPSS No. 1	-	-	-	-	-	80	80	80	80	80	80
Puget	19	-	-	-	-	-	-	-	-	-	-
Utah	(60)	(60)	-	-	-	-	-	-	-	-	-
Total Resources	1104	1222	1199	1359	1301	1548	1758	1759	1759	1759	1760
Surplus over Firm Load	174	264	221	331	200	368	524	468	408	346	281
Less Reserves	88	113	113	113	113	145	176	176	176	176	176
Interruptible included in Reserves	15	17	18	19	21	22	24	25	27	29	31
Surplus over Firm Load & Reserves	86	151	108	218	87	223	348	292	232	170	105

* Scheduled dates of operation
Colstrip No. 1 - Nov. 14, 1975
Colstrip No. 2 - Aug. 1, 1976
Colstrip No. 3 - Aug. 1, 1980
Colstrip No. 4 - Aug. 1, 1981

No maintenance is assumed during peak period.

THE MONTANA POWER COMPANY
LOADS AND RESOURCES
(Excluding Units #3 & #4)
AVERAGE ENERGY (MW)

Operating Year (July-June)	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
Firm Energy Load	628	655	694	745	800	846	887	932	979	1028	1080
Resources											
Hydro-Critical	337	337	337	337	337	337	337	337	337	337	337
Bird	157	157	157	157	157	157	157	157	157	157	157
Corette	103	165	165	165	165	165	165	165	165	165	165
* Colstrip No. 1	-	151	165	165	165	165	165	165	165	165	165
* Colstrip No. 2	40	40	35	30	20	10	5	-	-	-	-
BPA	10	10	11	11	12	12	13	13	14	14	15
BPA (Wheeling)	11	-	-	-	-	-	-	-	-	-	-
BPA (Offsets)	-	-	-	(14)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
BPA (Energy for Peak Trade)	19	19	20	20	20	-	-	-	-	-	-
Hanford (Debt Service)	49	49	16	-	-	-	-	-	-	-	-
Hanford (Extension)	5	-	-	-	-	-	-	-	-	-	-
Hanford (5 mill)	(18)	(19)	(20)	(20)	(20)	-	-	-	-	-	-
WWP (Hanf. Trade)	-	-	-	-	-	68	68	68	68	68	68
WPPSS #1	4	(5)	-	-	-	-	-	-	-	-	-
Puget	(30)	(60)	(10)	-	-	-	-	-	-	-	-
Utah											
Total Resources	687	844	876	851	838	896	892	887	888	888	889
Surplus over Firm Load with Critical Water	59	189	182	106	38	50	5	(45)	(91)	(140)	(191)
Less Maintenance & Availability Adj.	47	84	76	76	76	76	76	76	76	76	76
Interruptible included in Adjustment	13	14	15	16	17	18	19	21	22	24	25
NET SURPLUS	12	105	106	30	(38)	(26)	(71)	(121)	(167)	(216)	(267)
Median Water Adder	48	50	51	51	51	51	51	51	51	51	51
Bird (Maintenance & Availability deducted) (only if oil is available)	60	60	60	60	60	60	60	60	60	60	60

* Scheduled dates of operation
Colstrip No. 1 - Nov. 14, 1975
Colstrip No. 2 - Aug. 1, 1976

EXHIBIT "H" p. 1

THE MONTANA POWER COMPANY
LOADS AND RESOURCES
(Excluding Units #3 & #4)
ANNUAL PEAK (MW)

Operating Year (July-June)	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
Firm Peak Load	930	958	970	1028	1101	1180	1234	1291	1351	1413	1479
Resources											
Hydro	520	520	520	520	520	520	520	520	520	520	520
Bird	70	70	70	70	70	70	70	70	70	70	70
Corette	180	180	180	180	180	180	180	180	180	180	180
* Colstrip No. 1	165	165	165	165	165	165	165	165	165	165	165
* Colstrip No. 2	-	165	165	165	165	165	165	165	165	165	165
BPA	40	40	40	40	40	40	40	40	40	40	40
BPA (0%)	10	10	10	10	10	10	10	10	10	10	10
BPA (wheeling)	6	7	7	7	8	8	8	9	9	9	10
BPA (Offset for Peak Trade)	-	-	-	60	-	-	-	-	-	-	-
BPA (Energy for Peak Trade)	-	-	-	100	100	100	100	100	100	100	100
Hanford (Debt Service)	19	19	20	20	20	-	-	-	-	-	-
Hanford (Extension)	84	84	-	-	-	-	-	-	-	-	-
WWP (Hanford Trade)	21	22	22	22	23	-	-	-	-	-	-
WWP	30	-	-	-	-	-	-	-	-	-	-
WPPSS No. 1	-	-	-	-	-	80	80	80	80	80	80
Puget	19	-	-	-	-	-	-	-	-	-	-
Utah	(60)	(60)	-	-	-	-	-	-	-	-	-
Total Resources	1104	1222	1199	1359	1301	1338	1338	1339	1339	1339	1340
Surplus over Firm Load	174	264	221	331	200	158	104	48	(12)	(74)	(139)
Less Reserves	88	113	113	113	113	113	113	113	113	113	113
Interruptible included in Reserves	15	17	18	19	21	22	24	25	27	29	31
Surplus over Firm Load & Reserves	86	151	108	218	87	45	(9)	(65)	(125)	(187)	(252)

* Scheduled dates of operation
Colstrip No. 1 - Nov. 14, 1975
Colstrip No. 2 - Aug. 1, 1976

No maintenance is assumed during peak period.

EXHIBIT "H" p. 2

1975 PEAK AND AVERAGE KILOWATT READINGS FOR DISTRIBUTION SUBSTATIONS
(UPPER READING - PEAK LOWER READING - AVG.)

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1- 91	ANACONDA CITY NO. 1	3158	2808	3000	2520	2320	2920	2400	1416	2040	2640	2683	2448
		1755	1838	2061	1427	1606	1582	1506	1048	1300	1397	1540	1819
1- 92	ANACONDA CITY NO. 2	3208	2400	2160	1968	1776	1800	1632	NA	2664	2760	2400	2400
		1797	1558	1445	1403	1188	1043	915	NA	1261	1523	1463	1568
1- 94	ANACONDA CITY NO. 3	3024	3780	1764	2628	612	1404	1116	1440	1260	1080	468	1260
		1123	1090	1060	1005	356	638	432	218	685	194	220	426
1- 95	ANACONDA CITY NO. 4	4392	4572	NA	4392	4284	3744	3708	3600	3780	4572	5220	5040
		3131	3283	3169	3100	2513	2721	2800	2787	2830	3261	3525	3827
1-131	DEERLODGE CITY 4.16	2304	1968	1968	1872	NA	NA	1872	1872	1872	2256	2496	2592
		1478	1556	1326	1315	NA	NA	1135	1173	1241	1410	1630	1672
1-132	DEERLODGE CITY 12.5	1632	1824	1680	1680	NA	NA	1536	576	528	576	744	720
		844	964	842	853	NA	NA	424	358	368	395	495	476
1-133	DEERLODGE 25 KV	1080	1116	1440	720	NA	NA	NA	1800	1440	1440	1440	1800
		398	396	353	366	NA	NA	NA	1133	757	957	1065	952
1-140	DEERLODGE GAS PUMP	1752	1272	1212	732	NA	NA	252	504	804	504	1560	1740
		1027	1016	684	410	NA	NA	83	23	169	435	648	966
1-160	MONT. PHOSPHATE SUB	1836	1944	1836	1782	1674	1782	1782	NA	1620	1890	1890	1998
		1263	1559	1382	1363	1197	1173	1100	NA	1183	1234	1623	1445
1-181	DRUMMOND CITY	1128	1320	984	960	960	1116	924	NA	960	840	720	1080
		726	774	627	585	505	NA	NA	NA	575	593	659	665
1-183	DRUMMOND PUMP	864	888	888	888	888	888	888	NA	840	NA	864	864
		355	179	261	248	276	184	183	NA	127	NA	262	338
1-189	INDUSTRIAL PARK	NA	NA	1680	1680	1680	1680	504	NA	2520	1680	1680	1680
		NA	1193	1225	1210	808	NA	226	NA	1061	1105	1204	1576
1-190	PACIFIC STREET	5568	6000	5376	5280	5088	4800	5088	5088	4800	NA	5520	5184
		3914	3971	3643	3570	3356	3271	3194	2473	3742	NA	NA	3655
1-212	ARBITER BANK NO. 1	6216	8064	8568	11256	9240	8400	10248	2520	3360	3360	3024	1680
		5239	6246	6052	7070	4355	5750	3983	2439	2384	2969	1447	NA

EXHIBIT "I"

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1-213	ARBITER BANK NO. 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-215	ANACONDA SMELTER A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		14360	13606	10104	9706	9239	8839	6903	5938	6577	7024	7199	7635
1-216	COMP. SUB-SMELTER	10440	6120	10800	10620	10800	11520	6840	7200	7200	7920	7560	6840
		NA	NA	7875	8735	NA	NA	5225	5458	5946	5813	5703	NA
1-221	CONCENT. BK. 1 ANA	8600	8600	8500	8100	8100	8200	7900	8100	8000	7900	8400	8000
		7731	7999	7426	6863	7703	7364	6929	7223	7283	6951	7270	7167
1-222	CONCENT. BK. 2 ANA	8300	8300	8500	8400	8400	8300	8500	8300	8400	8300	8100	8500
		7882	7784	7711	7210	7351	7530	7648	7444	7726	7256	7275	7439
1-223	CONCENT. BK. 3 ANA	7800	7500	8000	7900	8100	8000	8200	7900	8000	7900	7900	7900
		7295	7277	7372	6870	7668	7329	7153	7090	7150	7092	7319	7103
1-224	CONCENT. BK. 4 ANA	4600	4400	4400	5000	4400	4200	4200	4200	4100	4000	4000	3900
		3673	3698	3543	3358	3603	3351	3379	3405	3399	3317	3309	3025
1-225	CONCENT. BK. 5 ANA	6600	6400	6400	6500	6500	6300	6390	6000	6400	6200	6200	6200
		5116	5037	4887	4658	5022	4823	4665	4462	4557	4653	4696	4770
1-232	MONTANA ST. BANK 1	5136	5184	4320	4320	4128	3840	3936	3840	3936	4896	5184	5664
		3428	3135	2957	2954	2578	2578	2577	2554	2619	3092	3453	3662
1-233	MONTANA ST. BANK 2	NA	3456	3264	3168	3072	2880	2880	2880	2976	3168	3072	2880
		2243	2230	2086	2030	1912	1857	1874	1814	1826	2026	2092	2200
1-234	MONTANA ST. BANK 3	4896	4608	4320	4416	4080	4128	4512	4320	3456	3456	NA	3744
		3303	3104	2956	2355	2732	2656	2563	3450	1535	2333	2383	2531
1-235	MONTANA ST. BANK 4	6528	6528	5376	5376	4992	4800	5568	5952	6720	7680	7872	7680
		4124	4133	3800	3721	3541	3765	4578	2236	4232	4637	5033	5310
1-240	TAILINGS BOOST ANA	5400	5400	5600	5600	5000	4800	4900	5200	5300	5300	4800	4750
		4033	4256	4118	3953	4149	3810	4013	4091	4092	4193	4266	4156
1-241	CRUSHER BK. 1 ANA	2400	2400	2400	2560	2400	2240	2240	2240	2400	2400	2560	2400
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-242	CRUSHER BK. 2 ANA	1440	1440	384	384	480	576	480	528	288	480	480	480
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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1-243	PRECIP SUB BK 1 AN	9840	10320	11280	11280	NA	NA	NA	NA	NA	NA	NA	10080
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-244	PRECIP SUB BK 2 AN	1200	1200	1200	1320	2040	2040	1560	1380	1440	NA	1920	1560
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-260	RAMSAY PUMP ANA	1120	610	580	670	490	1100	1140	670	340	650	650	1140
		213	266	180	172	159	167	205	164	147	140	131	265
1-280	CONTINENTAL DR. 1	2400	2304	1968	1872	1728	1728	1680	1680	1776	1680	2280	2640
		1379	1370	1214	1185	1080	1033	1035	1020	1071	1174	1336	1786
1-285	CONTINENTAL DR. 2	NA	4824	4080	3960	3600	3600	3600	3648	3600	NA	4848	4920
		3172	3148	2864	2800	NA	NA	NA	NA	2590	2842	3120	3224
1-291	RENOVA DISTRIBUTION	396	395	324	324	279	612	576	549	468	468	387	378
		223	244	195	76	266	338	364	354	278	343	148	225
1-310	DIVIDE	2160	2160	2160	NA	864	864	1944	1944	1944	1944	1512	2160
		1411	1419	1397	NA	813	113	540	1183	1115	NA	916	837
1-332	HAYES STREET ANA	1080	1090	1200	1060	1100	1000	1090	680	800	800	1050	1050
		594	603	686	529	520	480	449	259	378	308	444	540
1-360	PHILIPSBURG CITY	1104	1072	1008	1120	NA	768	768	720	752	734	960	1104
		770	767	558	NA	NA	339	434	458	501	462	563	NA
1-380	FOSTER CREEK	840	870	900	840	660	570	450	930	660	570	900	NA
		488	470	447	427	313	250	162	173	229	331	450	468
1-421	DILLON CITY 4.16 KV	5040	5038	4704	4520	4128	3264	3552	3456	3456	4080	4896	4992
		3362	3321	2979	2883	2549	2354	2297	2193	2207	2503	3000	3037
1-422	DILLON CITY 12.5 KV	2160	2160	2160	2232	2448	3024	2736	2592	2736	2880	3024	2880
		1165	1318	1272	1252	1166	1652	1597	1552	1822	1569	1704	1700
1-425	DILLON AIRPORT	36	36	27	36	63	NA	702	459	NA	369	36	NA
		21	18	19	16	7	NA	243	239	NA	NA	31	NA
1-430	PNT. OF ROCKS W/BPA	729	823	648	702	351	1755	1755	1755	1660	972	526	1053
		479	530	441	429	229	945	1193	1294	835	636	308	311
1-431	BARRETTS W/BPA							1824	NA	2424	540	408	624
								NA	NA	760	493	369	448

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1-440	SHERIDAN	1600	1600	1520	NA	NA	1400	1400	1400	1200	1200	1600	1600
		895	1022	862	806	NA	1139	407	903	799	NA	812	955
1-451	TWIN BRIDGES	855	936	801	NA	NA	783	301	738	630	630	765	819
		613	618	516	485	NA	503	432	498	364	NA	442	525
1-480	WHITEHALL	382	900	900	720	666	774	756	864	756	810	864	900
		574	579	500	478	438	537	499	557	500	522	532	564
1-500	VIRGINIA CITY	300	306	288	270	NA	420	420	390	360	350	420	420
		155	167	144	144	NA	169	207	224	162	NA	159	175
1-530	DELL REA	747	756	648	684	603	1152	1080	NA	NA	NA	NA	NA
		512	508	458	452	390	730	679	NA	NA	NA	417	458
1-540	DRUMMOND W/BPA	4000	4400	4200	4100	3000	3900	3600	3600	3300	3400	4400	NA
		2876	3158	2768	2618	2084	2338	2432	2572	2151	2204	2823	NA
1-550	PHILIPSBURG AUTO	2425	1647	1376	2013	NA	1647	1784	1372	1235	1235	1235	1555
		NA	1171	1042	1722	NA	NA	492	191	256	NA	NA	328
1-570	BANNACK REA	1540	1508	1416	1392	1344	1032	960	1128	960	1080	1440	1456
		1143	1117	967	939	788	NA	597	597	645	659	948	1056
1-580	DILLON REA	2400	2544	2064	2184	1584	2856	2712	NA	NA	NA	NA	NA
		1677	1734	1483	1429	1130	1707	1950	NA	NA	NA	926	1163
1-590	DIVIDE W/BPA	306	310	256	270	216	346	283	NA	NA	NA	NA	NA
		173	191	170	165	135	175	186	NA	NA	NA	165	162
1-592	STONE CREEK W/BPA	NA	NA	NA	NA	168	1968	1512	1728	1440	768	168	NA
		NA	NA	NA	NA	19	1058	1187	1316	678	436	107	NA
1-600	SILVER STAR W/BPA	247	261	220	225	162	409	495	NA	NA	NA	NA	NA
		161	180	144	140	110	210	322	NA	NA	NA	NA	NA
1-611	NEW WHITEHALL W/BPA	NA	NA	NA	NA	NA	NA	840	NA	NA	434	NA	744
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371	440
1-651	CORRA BANK 1 ANA	6240	8000	5600	6920	3200	3120	3120	4240	3200	3200	3120	3120
		3952	3092	2929	3010	2977	2874	2887	2882	2952	2262	2185	2833
1-652	CORRA BANK 3 ANA	2100	2200	2200	2000	2000	1760	1980	1950	2300	2500	1800	1600
		1019	1124	964	952	531	703	789	NA	NA	1030	826	875

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1- 653	CORRA BANK 5	2000 1287	2100 1017	1050 713	1000 654	1000 444	950 381	650 326	600 327	700 338	600 329	550 302	500 303
1- 661	KELLY COMPRESSOR 1	6100 4743	5500 5997	7250 3854	4750 3738	9500 4037	6100 3978	5000 4053	5300 3917	6000 4266	7250 5211	6400 4907	5100 2714
1- 662	KELLY COMPRESSOR 2	6100 4780	5500 3944	5700 3753	4750 3654	5500 3371	6000 3912	4900 4049	5250 3838	5900 4233	7250 5229	6300 4914	9400 5213
1- 663	KELLY MINE ANA	7200 5932	7300 5924	7550 3857	7700 3792	8100 6131	7800 5247	7950 5885	7500 5767	6900 5265	6200 5016	6400 3420	4600 3163
1- 664	ELEC FURN 1 ANA										NA NA	NA NA	NA NA
1- 665	ELEC. FURN. 2 ANA										NA NA	NA NA	NA NA

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2-100	MISSION ROAD	2448	2376	2016	1944	1548	1512	1656	1476	1692	1764	NA	2340
		1587	1561	1483	1362	1116	1114	1173	1112	1159	1238	NA	1505
2-101	ADEL (CASCADE)	66	72	60	NA	69	NA	96	84	90	132	NA	132
		12	34	5	NA	9	NA	24	49	46	51	NA	63
2-131	CITY SUB - NO. BANK	8964	7668	7128	12336	7560	NA	10908	8964	7884	7776	16740	8856
		4587	4886	4473	4452	3904	NA	6545	4919	5133	3567	3302	6717
2-132	CITY SUB - SO. BANK	8748	9180	8640	9720	10260	NA	14364	14688	10584	10044	10584	11232
		5095	6557	5918	6509	5876	NA	4570	7790	7833	5257	2324	7633
2-134	NORTHWEST NO. 2			NA	9360	6480	NA	2380	2830	7200	3158	3600	3744
				NA	NA	5559	NA	NA	1841	2133	1610	2255	3578
2-141	EAST SIDE SO. BANK	6480	6264	4860	4860	4536	NA	6048	5616	4860	5616	5508	6372
		3745	3793	3403	3305	2319	NA	3103	3321	3683	2579	3631	4533
2-142	EAST SIDE NO. BANK	14256	9072	6912	10260	10260	NA	9936	9396	9396	7344	8424	9180
		5139	5255	4500	4236	3309	NA	3373	3538	4217	3128	4578	5900
2-150	SOUTH SIDE E. BANK	11952	11088	11136	10848	8880	NA	10944	9600	9504	8928	9792	9984
		7606	6621	6109	5679	5182	NA	5367	5676	6770	4433	6021	7585
2-151	SOUTH SIDE W. BANK	6768	6768	6480	6480	4032	NA	8208	3040	4320	4603	5400	5472
		3290	4061	3191	3129	2374	NA	2742	3000	3156	2290	2300	5123
2-160	WAYNE PUMP (FIFE)	384	384	384	456	432	456	552	NA	408	432	456	432
		316	276	328	270	316	353	373	NA	NA	241	NA	NA
2-170	RAYNESFORD PUMP	1696	1920	1792	1600	1216	1216	96	1824	1856	1600	1248	1472
		NA	NA	1067	991	917	717	4	1608	1297	836	1032	1120
2-180	MONARCH VALLEY	612	588	528	528	498	492	468	528	480	576	648	696
		477	390	386	359	330	304	297	356	309	366	397	446
2-191	KINGS HILL OLD T-BA	189	173	173	154	77	26	16	16	16	29	45	166
		36	36	31	NA	NA	NA	2	1	2	3	6	50
2-220	HAVRE HIGHLAND PARK	4603	4440	3840	3048	3144	2880	4680	4200	3360	3744	4128	4440
		2619	2866	2320	2183	1900	1857	2395	2023	1953	2313	2479	2760
2-240	SACO ALFALFA	144	152	144	136	136	240	NA	NA	208	136	160	160
		10	15	10	9	5	7	25	NA	NA	114	NA	18

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2- 261	VAUGHN	1138 709	1080 781	1020 672	1020 590	816 500	NA NA	1104 513	1224 598	756 548	840 715	1128 783	1164 844
2- 280	TREASURE STATE IND.	174 38	192 129	168 108	156 93	132 58	NA NA	168 70	180 91	186 120	108 82	252 146	168 125
2- 290	PAPIN GRAVEL	NA NA	NA NA	NA NA	6 1	186 4	NA NA	211 5	240 22	240 NA	239 39	243 46	214 15
2- 300	ASHUELOT W/BR	3060 1701	3132 1938	2556 1709	2520 1725	2160 1298	1692 1230	2016 1095	NA NA	1723 1074	1962 1113	2195 1299	2808 1595
2- 310	FORT SHAW W/BR	1872 1069	1944 1224	1608 1096	1548 1073	1260 944	1104 866	1176 700	1416 963	1152 771	1398 875	1560 921	1776 1054
2- 311	FAIRFIELD	1056 NA	1056 NA	1040 NA	980 NA	848 NA	800 NA	832 471	800 523	864 447	912 533	992 527	1040 613
2- 312	FAIRFIELD - AUGUSTA	564 307	576 323	468 288	588 275	444 259	444 NA	480 NA	408 302	432 238	504 325	558 284	576 320
2- 320	FAIRFIELD W/BR	1404 924	1476 999	1296 962	1296 892	1080 722	1152 916	1512 1120	1800 970	1404 806	1116 773	1224 832	1620 929
2- 330	BOLE	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2- 340	CHOTEAU	1872 1032	1824 1093	1440 913	NA 861	1344 825	1296 788	NA 839	NA 800	1296 815	1440 890	1728 987	1644 1044
2- 341	CHOTEAU 12.5 KV	720 348	720 361	600 328	720 NA	720 NA	NA 278	600 345	600 325	600 273	720 313	840 365	960 413
2- 350	PENDROY W/BR	1680 1056	1704 1163	1464 1102	1488 1123	1332 903	1380 1012	1380 370	1548 1058	1284 892	1296 932	1392 925	1752 1038
2- 360	PONDERA OIL FIELD	360 225	400 230	360 202	360 183	440 130	320 179	272 181	320 197	320 190	240 191	NA NA	400 NA
2- 370	CONRAD PUMP	NA 5	NA 9	NA 5	320 49	NA 6	352 99	352 163	NA 4	NA NA	NA 4	320 198	NA 6
2- 380	CONRAD CITY	3648 2262	3456 2323	3024 2941	2976 2005	2928 NA	2688 NA	2928 1906	2736 1797	2880 1900	3072 1989	3600 2262	3840 2490

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2-390	BRADY	408	624	528	480	480	408	408	480	504	504	552	576
		405	471	303	435	311	290	304	307	314	317	405	393
2-400	BRADY W/BR	1517	1584	1440	1560	1344	1344	1560	1704	1320	1320	1368	1512
		1185	1244	1218	1250	1047	1207	1060	1273	1055	1057	1073	1090
2-410	DUTTON	1080	1116	1008	954	NA	828	810	810	810	918	1080	1044
		709	734	669	626	622	555	557	557	551	601	686	695
2-420	DUTTON PUMP	1776	1776	864	864	NA	768	1440	4848	1776	NA	1056	816
		1076	1082	697	707	NA	283	697	829	1012	NA	735	747
2-430	POWER	264	276	264	252	264	204	192	168	240	240	252	300
		171	173	156	147	136	117	116	124	140	143	145	152
2-440	CARTER	426	420	336	330	378	270	324	324	246	276	330	372
		242	266	215	197	163	144	169	172	174	175	224	237
2-450	FORT BENTON	3264	3104	2944	3000	2916	2624	2880	2880	2816	2734	2944	3072
		2146	2342	1933	1804	1182	1358	1729	1592	1526	1695	1782	2418
2-460	PORTAGE	504	504	450	432	414	387	432	432	378	378	504	468
		324	344	294	286	264	NA	NA	278	257	259	303	306
2-480	LOMA	144	135	114	114	102	126	192	114	114	168	180	150
		34	94	70	66	55	71	83	55	64	74	44	121
2-490	SO. VIRGELLE W/BR	322	278	264	276	288	346	264	403	206	168	173	245
		154	186	175	187	114	177	89	174	102	37	97	120
2-500	BIG SANDY	1440	1392	1200	1200	1152	1006	960	1008	864	1104	1416	1440
		813	913	743	726	588	541	550	548	552	627	718	849
2-511	BOX ELDER	684	636	540	540	504	444	480	504	558	516	660	648
		398	472	349	365	274	264	253	313	295	328	343	442
2-520	GOOSEBILL REA W/BR	44	64	58	62	55	68	48	60	54	48	54	78
		22	32	36	35	25	32	23	31	29	26	28	40
2-530	CHESTER	1584	1272	1416	1296	1200	1320	1680	1392	1200	1200	1680	1560
		1171	1134	888	987	921	907	994	1065	979	NA	825	1297
2-540	JOPLIN	312	324	300	309	216	216	216	222	222	222	324	330
		152	182	123	137	118	131	102	108	130	NA	133	167

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2- 550	INVERNESS	138 113	138 126	162 75	166 120	162 87	144 82	148 79	144 79	169 90	169 NA	216 103	274 131
2- 560	RUDYARD	600 310	480 363	480 277	480 283	480 278	360 173	480 275	432 138	420 244	480 273	480 285	576 326
2- 570	HINGHAM	400 202	360 212	400 210	320 191	320 211	320 137	440 250	288 156	360 168	340 195	436 237	456 274
2- 580	GILFORD	320 134	320 188	320 170	320 147	224 151	192 86	288 169	294 128	240 141	256 147	259 155	326 181
2- 590	KREMLIN	140 63	130 81	120 68	120 61	100 67	100 41	120 79	130 49	90 55	116 57	104 68	132 80
2- 591	KREMLIN W/BR	576 235	576 381	480 314	432 230	336 178	312 219	312 187	396 211	336 202	336 183	360 215	516 321
2- 600	HAVRE CITY	6840 4830	6960 4932	6540 4170	6780 4150	7740 3844	7230 3308	8160 4545	7500 4074	6840 NA	6780 4026	6720 4143	8100 4831
2- 601	HAVRE E. BANK NO. 1	1152 728	1138 791	900 648	1908 660	1872 507	1152 542	1404 743	1728 655	1044 690	1200 638	864 654	1080 764
2- 602	HAVRE W. BANK NO. 3	1296 701	1296 832	1044 960	2124 690	2196 637	1152 692	1476 734	1836 678	1152 641	1152 717	972 582	1260 802
2- 630	LOHMAN	432 229	372 250	360 217	336 195	240 147	360 170	594 277	456 195	252 143	288 155	408 206	432 256
2- 640	LOHMAN REA	NA NA	1260 NA	1200 768	1200 696	960 560	1320 521	1485 758	1550 680	870 496	915 534	1200 641	1200 708
2- 650	CHINOOK	2560 1633	2464 1762	2112 1492	2048 1369	1696 1214	1696 867	960 671	960 575	768 570	896 613	1984 671	2560 1389
2- 651	NO. CHINOOK W/BR	324 184	288 200	264 182	264 187	228 131	204 147	192 97	228 126	168 97	180 133	192 132	222 135
2- 660	ZURICH	312 182	312 198	252 167	240 135	192 109	300 147	372 252	264 113	156 NA	228 NA	276 143	312 203
2- 665	MOHAR W/BR	73 46	73 49	70 47	60 44	52 25	57 19	27 10	48 15	45 12	NA NA	45 16	69 33

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2-670	HARLEM	2112 1306	1920 1291	1536 1137	1600 1019	1312 815	1376 963	1696 1076	1472 1114	1248 644	1504 1036	1888 1174	2112 1387
2-681	HARLEM REA W/BR	NA 679	1128 780	1116 686	1020 674	720 456	744 534	744 370	864 477	600 319	792 300	840 458	1116 628
2-682	NO. HARLEM W/BR	77 38	77 42	74 40	70 39	62 31	62 36	72 52	72 33	61 17	NA NA	76 23	88 45
2-690	DODSON	480 288	432 285	420 NA	432 253	336 178	324 193	408 238	360 NA	312 NA	408 197	408 231	480 277
2-700	WAGNER	225 175	180 NA	NA NA	135 NA	NA 98	135 87	180 92	180 87	180 84	NA 93	180 NA	225 NA
2-710	MALTA	3200 1914	3168 2032	2368 1683	2720 1778	2720 1370	2080 1412	2880 1780	2720 1477	2080 1382	2400 1535	NA NA	3232 1871
2-712	MALTA EAST RURAL	784 492	752 540	NA 461	NA 449	640 341	NA NA	420 NA	396 129	156 77	192 58	84 55	96 71
2-720	SACO W/BR	692 365	576 377	490 341	504 343	432 254	355 240	374 NA	432 NA	307 205	374 215	432 253	557 332
2-730	SACO	126 75	111 73	90 63	90 70	96 NA	90 NA	114 71	96 56	84 57	90 50	288 187	336 219
2-740	HINSDALE W/BR	732 390	660 453	582 402	564 396	420 256	546 325	468 261	582 353	408 231	434 220	438 257	630 365
2-750	HINSDALE TOWN	396 220	396 217	396 195	300 175	300 157	456 204	624 265	504 219	276 168	336 181	348 205	420 242
2-760	TAMPICO	32 21	32 23	28 21	28 18	24 15	24 15	24 15	16 12	16 12	20 14	24 16	32 21
2-780	GLASGOW WEST SIDE	3120 1900	3120 1929	2520 1728	2520 1600	2400 1470	3120 1557	3600 2077	2880 1530	2640 1527	2520 1641	3000 2552	NA 1300
2-790	GLASGOW EAST SIDE	3456 2028	3456 2039	2544 1790	2448 1687	2304 NA	2496 1421	2928 1744	3600 1703	2256 1524	2832 1673	3072 1900	3600 2194
2-810	GLASGOW AFB	3456 2652	3384 2661	3384 2441	3240 2250	3456 NA	2808 NA	3024 NA	NA NA	2808 NA	2952 2003	3528 2304	3600 2565

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
2- 850	NASHUA	720 359	560 348	576 325	544 292	544 247	352 235	624 296	608 259	464 247	528 264	592 316	704 371
2- 880	FIFE	168 NA	168 NA	144 NA	156 NA	144 NA	120 NA	120 NA	NA NA	NA NA	156 NA	180 NA	192 NA
2- 921	ULM 25 KV	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	1400 NA	880 529	1000 580	1000 574	NA NA	1080 668
2- 950	STOCKETT	1080 741	1080 780	900 659	900 869	900 436	720 550	780 507	NA NA	NA NA	900 NA	NA NA	NA NA
2- 960	BELT	NA 971	1664 954	1376 908	1376 878	1248 735	1056 674	1056 NA	NA NA	1056 NA	1280 550	1504 1437	1728 971
2- 970	ARMINGTON W/BR	145 89	156 85	133 84	136 92	127 64	108 70	100 55	112 63	112 62	118 66	123 61	129 77
2-1020	BLACK EAGLE	17360 8675	19880 9167	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-1026	PHILLIPS REFINERY	1960 NA	1960 NA	2020 NA	1960 NA	NA NA	2020 NA	2080 NA	2080 NA	2080 1768	2120 NA	2120 NA	2110 NA
2-1030	HIGHWOOD REA	862 535	888 592	564 510	726 482	600 360	NA NA	588 NA	630 NA	552 526	672 NA	NA NA	NA NA
2-1040	WAGNER W/BR	2136 1069	1848 1252	1608 1116	1728 1145	1248 806	1176 778	1080 670	1056 703	1116 677	1176 748	1296 815	1728 1043
2-1090	CUTBANK PUMP	2150 1714	2150 1647	3250 1586	2200 1604	2050 1586	2050 1962	2050 1713	2200 1761	2150 1836	2000 1538	2100 1707	2100 1592
2-1221	NO. CONRAD W/BR	852 502	840 581	792 559	1032 539	648 441	924 524	888 423	1236 816	888 515	648 447	708 466	780 500
2-1222	SO. VALIER W/BR	672 390	708 447	618 425	660 408	516 328	732 364	NA 330	972 539	480 284	480 342	588 324	672 405
2-1310	NORTHWEST NO. 1			NA NA	7200 NA	4032 1782	NA NA	8640 NA	7488 4676	7920 5039	7200 3493	9360 5483	9360 6267
2-1320	BIG SANDY REA	594 495	738 521	612 419	675 427	477 321	351 290	NA 313	603 NA	513 319	558 NA	720 NA	774 505

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
2-1330	CONRAD 24KV LINE	2494	2496	2208	2160	2040	2016	2208	2256	1992	2232	2448	2496
		1848	2245	1400	1740	NA	NA	1510	1641	1503	1611	1769	1819
2-1340	VALIER 25 KV	SUB. NOT IN SERVICE IN 1975											
2-1360	MALMSTROM AFB	6948	7056	6192	6444	5904	NA	5580	5832	5184	5544	5904	6444
		NA	5305	4639	4495	2833	NA	3557	4148	4117	2960	4650	5383
2-1970	STEVENS PUMP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-2010	HOPP ILLIAD W/BR	546	504	420	480	360	474	564	666	630	492	378	840
		275	310	298	306	216	283	197	353	260	248	225	273
2-2020	LAREDO(RKYBOY) W/BR	540	980	444	432	360	318	294	252	264	360	408	528
		311	357	308	291	216	207	143	141	168	195	236	292

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3- 110	ANDERSON	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3- 120	BROADVIEW	696 417	660 456	600 398	564 368	516 323	420 208	420 290	456 298	456 377	516 333	720 390	720 420
3- 125	JENSEN	120 11	30 12	30 13	24 12	33 8	30 6	120 68	120 41	60 28	13 6	24 10	30 12
3- 130	IVANHOE NO. 1	1536 639	1632 696	1440 672	1632 607	840 469	816 369	816 606	816 531	816 645	1728 820	1728 1023	1726 731
3- 140	LITTLE WALL NO. 2	128 69	128 79	128 60	128 74	128 61	192 69	192 74	176 64	192 90	192 97	192 52	192 30
3- 150	WILLOW CREEK NO. 3	312 131	312 155	288 150	NA 123	276 133	288 127	264 94	216 97	216 97	192 122	240 NA	192 NA
3- 160	ROUNDUP NO. 4	816 316	816 321	768 331	816 300	816 276	816 369	816 342	816 331	768 355	768 423	816 450	816 342
3- 170	CUSHMAN	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3- 180	GAGE	1068 772	1020 825	1008 805	1020 726	960 728	858 648	864 597	900 681	1020 761	1080 791	1176 832	1116 808
3- 190	IVANHOE	1080 597	1080 611	1080 566	1080 530	840 469	840 513	840 474	840 419	840 576	720 470	840 548	840 490
3- 195	KEEFER - EKLUND	NA NA	NA NA	NA NA	NA NA	NA NA	6 1	198 4	210 25	66 2	NA NA	NA NA	NA NA
3- 200	LAVINA	576 324	576 372	432 290	432 263	365 215	384 218	384 NA	336 194	240 170	326 180	384 214	403 232
3- 210	LAVINA (FERGUS REA)	69 52	90 54	75 46	78 44	60 31	45 22	30 18	30 19	45 17	60 18	60 49	75 46
3- 220	MELSTONE	660 NA	960 402	540 338	540 305	540 231	360 203	540 253	430 378	480 NA	480 272	600 342	600 376
3- 230	MOUNTAIN STATES MIN	171 147	171 144	162 146	171 148	171 147	171 121	180 147	181 131	180 147	180 154	189 149	189 135

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3-240	MUSSELSHELL	468 275	450 309	468 252	450 218	234 160	234 138	234 145	234 124	234 168	288 174	468 242	468 274
3-245	M.V. FEEDLOT	36 24	24 20	20 11	16 5	16 4	NA NA	NA NA	NA NA	NA NA	36 NA	40 52	40 NA
3-250	ROUNDUP	3600 2081	3600 2264	3000 1947	3240 1953	3240 1797	3360 1722	3600 2000	3360 1891	3600 2045	3840 2190	4080 2529	4560 2707
3-260	ROUNDUP-FERGUS REA	5440 3227	4160 3571	4480 3242	4240 2744	2430 2103	2160 1875	2720 1925	2400 1927	2720 2011	3440 2300	4300 2957	4960 3211
3-270	ROUNDUP-MCCONE REA	1318 915	1048 1021	980 770	1014 791	845 643	811 616	811 466	862 640	845 533	1014 634	1284 838	1251 920
3-280	RYEGATE	520 250	480 278	400 236	376 217	368 192	360 203	360 200	400 209	320 193	520 207	440 245	456 251
3-290	RYEGATE-FERGUS REA	390 203	360 214	270 NA	330 195	240 126	198 104	180 147	174 100	NA NA	NA NA	NA NA	NA NA
3-300	SUMATRA	3648 3200	3456 3143	3648 3163	3648 3053	3456 3062	3456 3113	3552 2865	4320 2563	3840 2897	3648 NA	3744 3058	3840 3297
3-330	CLARK RANCH	48 25	48 26	42 20	46 19	36 15	38 16	41 18	38 16	32 15	42 15	41 17	36 17
3-331	WESTMORELAND	4620 1477	NA 1469	NA 1891	NA 2333	NA 2112	4620 2105	4340 2079	4480 2220	4340 2265	4760 2722	4620 2437	5320 2538
3-340	COLSTRIP TOWN	3984 2181	2592 1621	2448 1422	2256 1240	2016 845	1632 659	816 429	1248 638	1440 741	2040 1047	2640 1468	2304 NA
3-341	COLSTRIP TOWN #2	NA NA	1344 NA	1176 672	1056 583	768 431	720 378	816 429	840 397	720 359	816 453	NA NA	1320 810
3-350	COLSTRIP (SHOP)	360 201	390 218	360 191	390 193	360 119	312 104	300 63	240 85	600 285	600 149	630 183	600 175
3-360	COLSTRIP (NO. 6-C)	1440 432	1120 230	1440 577	1440 476	1360 398	1312 236	1040 80	1120 167	1120 80	1120 169	1120 243	1120 376
3-361	ARMELLS CREEK					2448 NA	3600 398	3960 1848	3600 1941	3960 2110	4680 1810	5040 3039	4680 2930

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3-370	COLSTRIP (PEABODY)	1740 626	1080 423	2100 323	1920 905	1740 705	1740 559	1740 574	1660 433	1860 581	5425 2149	2450 NA	2275 903
3-371	NICHOLS PUMP			NA NA	3212 414	3456 218	3456 1614	5184 1860	4752 1491	4032 248	NA NA	5328 360	3456 1355
3-380	DRINGMAN	68 32	63 33	56 24	56 21	50 14	34 12	25 12	25 11	41 11	30 15	65 27	65 33
3-390	FARLEY RANCH	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3-400	GREER	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3-410	HARDIN	2880 1945	3000 2054	2496 1806	2520 1713	2640 NA	2688 1631	3388 2152	3168 1909	2736 1745	2592 1743	2976 1916	3120 2047
3-420	HARDIN FEED MILL	390 67	405 68	348 51	330 39	240 19	210 13	156 19	306 33	339 44	282 36	330 NA	384 NA
3-430	HARDIN ROAD	1356 926	1410 NA	1290 NA	1260 836	1110 701	900 563	648 403	720 386	558 380	702 435	972 516	852 506
3-431	LOCKWOOD REA	1377 NA	1417 1041	1309 844	1215 756	985 640	981 NA	1260 761	1278 677	1278 684	1269 756	1683 925	1728 1051
3-436	SCHAAK REA	324 191	474 NA	372 NA	336 153	312 95	258 68	144 69	324 68	318 73	348 NA	480 NA	504 264
3-440	HARDIN-BIG HORN REA	2940 1750	3360 2183	2520 1353	2800 1732	4200 1052	1680 NA	2800 1562	2800 1711	2240 1458	1960 972	2520 2363	2600 1847
3-450	PRYOR (Y. VAL. REA)	1212 689	972 NA	981 684	900 466	900 449	900 405	612 409	612 396	684 423	610 483	1098 630	1062 670
3-460	TONGUE RIVER REA	7109 4508	7109 4803	6192 4106	5504 3711	4357 3015	4242 2829	5160 3221	4930 3210	5045 3311	5504 3742	6880 4415	7109 4610
3-470	TULLOCK CREEK	39 22	39 22	33 18	30 14	27 12	15 7	19 8	19 7	15 6	18 7	18 9	21 11
3-480	YELLOWTAIL (BIGHORN)	1008 542	912 529	768 371	1152 391	1008 313	792 629	816 726	1008 247	960 553	1008 613	1176 710	1272 767

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3-490	BILLINGS RIMROCK	7992	8352	6624	6840	6696	7056	7216	8712	7416	8136	8856	9576
		5148	NA	NA	4590	4345	4388	5555	4884	4697	5200	5565	6040
3-510	BILLINGS STM. PLT.	1440	1536	1344	1248	1408	2240	2688	2272	2080	1504	1536	1696
		1157	1124	963	924	915	1192	1716	1529	1232	1142	1234	1258
3-520	BLGS CITY SUB NO. 1	1920	1920	1968	1920	2352	2448	2640	2592	2400	2256	2016	2016
		1039	1039	1228	1023	1100	1094	1419	1238	1083	1030	1003	1057
3-530	BLGS CITY SUB NO. 2	2304	2352	2352	2376	2976	3264	2672	3600	3168	2850	2592	2592
		1358	1375	1344	1347	1365	1497	1952	1697	1469	1443	1413	1440
3-540	BLGS CITY SUB NO. 3	2184	2184	2160	2136	2568	3336	3648	3024	2784	2424	2160	2160
		1213	1225	1144	1127	1103	1284	1742	1434	1228	1187	1161	820
3-550	BLGS CITY SUB NO. 4	3600	3552	3552	3504	3408	3456	3408	3456	3408	3312	3360	3360
		2929	3086	2694	2447	2290	2356	2845	2550	2345	2500	2606	2393
3-551	BLGS CITY SUB NO. 5	4080	4224	3600	3744	3696	3840	4560	4512	4080	3744	4128	4320
		2735	2743	2244	2353	2290	2319	2718	2538	2400	2453	2548	2680
3-580	BLGS EAST SIDE 4.16	7536	7872	7440	7392	7248	6720	7728	7392	6228	6000	6336	6144
		4935	5171	4550	4457	3883	3738	4335	3981	3710	3750	3948	3833
3-584	BLGS EAST SIDE #3					NA	2016	2592	2400	5088	1920	1920	1920
						NA	NA	929	1363	2952	1053	1148	1260
3-585	BLGS EAST SIDE #4					2880	2840	3168	3264	NA	2496	2880	2850
						NA	579	1419	838	1559	1693	1853	1850
3-591	BLNGS CONT. REF. 1									NA	10224	10944	10656
										NA	NA	9135	4950
3-592	BLNGS CONT. REF. 2									NA	NA	NA	8136
										NA	NA	NA	3970
3-600	BILLINGS CONT. PIPE	860	840	820	860	360	920	840	860	840	900	900	740
		642	592	609	672	454	424	239	659	649	531	548	517
3-610	BLGS HUMBLE NO. 1	6080	6240	5920	5040	6080	6000	6080	6160	6160	6320	6000	5920
		4648	NA	NA	4336	5296	4597	5144	5496	5479	5573	4940	5232
3-620	BLGS HUMBLE NO. 2	6800	7040	6560	5760	6720	6640	6880	6960	6880	7120	6560	6800
		5560	NA	2523	5166	6265	5595	6155	6519	6463	NA	5909	6275

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3- 630	BLGS HUMBLE NO. 3	6640 3354	6380 6215	6400 5843	5680 4975	6560 6023	6400 3383	5720 5907	6800 6263	6800 6212	6960 6503	6400 3634	6640 6043
3- 640	BILLINGS SEMINOE	2976 NA	2976 2100	2304 1381	2688 2053	2832 2062	3552 2459	3216 2400	3264 2475	2880 2200	2784 1947	3168 2523	2688 2087
3- 650	HUNTLEY - YEL. VAL.	4459 2952	5334 3324	3584 2518	2917 2263	2750 1796	2459 1379	2709 1781	2625 1682	2584 1712	3334 2002	4792 2677	5209 3108
3- 660	BLGS BELLROCK 1	9000 5419	8136 5721	7200 4823	6768 4690	6696 4593	8640 4959	9864 5329	9072 5447	8640 7076	7992 3140	8784 5381	9360 5720
3- 670	BILLINGS BELLROCK 2	9352 5506	8064 5025	7920 4828	7200 4800	7272 4541	7920 4613	10296 5306	9720 4377	8136 2328	7992 6390	7920 4432	9000 4380
3- 680	BILLINGS 8TH WEST 1	11928 6729	11928 7500	7728 5031	7728 4330	NA 4369	10584 4900	13440 3423	8232 4834	7224 4683	7728 4947	10416 6165	11592 7280
3- 690	BILLINGS 8TH WEST 2	10080 5713	10416 6075	9240 5119	8064 2427	NA NA	8568 4069	11760 5119	12096 6038	11088 6493	11928 6673	14448 8152	14448 7583
3- 691	BILLINGS 8TH WEST 3	10752 6368	9576 6500	12768 7066	13776 9173	13608 9197	14112 6978	12768 5916	13944 7678	11256 6903	10248 7117	9744 5543	13104 8610
3- 695	KING AVE	SUB. NOT IN SERVICE IN 1975											
3- 700	ABSAROKEE	606 NA	660 NA	600 329	570 316	510 285	420 258	480 307	480 300	480 303	510 317	630 351	648 380
3- 710	ABSAROKEE REA	1163 706	1188 753	1080 769	954 455	792 473	675 415	612 334	666 420	675 422	990 484	1080 573	1035 611
3- 720	CHROME JCT.	12 3	4 3	2 2	4 2	4 NA	NA NA	4 1	4 NA	6 1	NA 2	4 3	5 3
3- 730	COLUMBUS	1920 1053	2080 1088	1600 931	1840 382	1600 791	1520 767	1840 959	1840 958	1760 915	2400 832	1920 937	2080 1051
3- 740	COLUMBUS (B.T. REA)	1152 NA	1224 749	1098 641	1044 373	810 450	648 381	666 397	630 396	666 418	900 484	1206 662	1350 651
3- 750	COLUMBUS-CATTLELD	100 38	96 35	100 31	120 23	92 23	84 21	80 22	80 23	88 26	128 30	120 37	140 50

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3-770	COLUMBUS-HOLMGREN	NA	NA	NA	NA	NA	NA	NA	56	40	40	40	NA
		NA	NA	NA	NA	NA	NA	NA	3	4	NA	NA	NA
3-780	COL-PIERCE RANCH	NA	NA	NA	NA	NA	NA	NA	6	NA	NA	NA	NA
		NA	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA
3-790	COL-PIERCE-GODDARD	NA	NA	NA	NA	NA	15	90	90	90	NA	18	NA
		NA	NA	NA	NA	4	2	15	9	18	NA	3	NA
3-795	COLUMBUS PUMP	1152	1152	1088	1088	1152	1152	1024	1088	1088	1152	1088	1152
		701	743	633	711	717	738	710	763	726	693	761	773
3-800	LAUREL EAST BANK	4200	4272	3648	4080	3432	NA	4008	3888	3360	3720	4560	4896
		2771	2339	2150	2697	2179	2125	2590	2388	2341	2520	2791	3017
3-820	LAUREL N.P.	468	500	460	460	400	400	300	220	240	230	300	460
		219	218	207	177	168	130	91	70	64	93	118	155
3-825	LAUREL PUMP	768	720	600	600	NA	NA	NA	NA	720	816	NA	NA
		343	386	128	NA	NA	NA	NA	NA	352	333	NA	NA
3-830	LAUREL PEAVEY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-840	LAUREL-CENEX	5200	5000	4900	4900	5500	6000	6600	6600	6800	6800	6500	6400
		NA	4196	4206	NA	NA	NA	NA	5560	NA	5792	NA	NA
3-850	MOSSMAIN (Y.V. REA)	2736	2700	2070	2070	1728	1392	2340	2250	1710	1980	2700	2772
		1241	1572	1294	1190	988	1010	1340	1120	1047	1125	1406	1605
3-860	NYE (B.T. REA)	463	426	468	360	600	360	510	420	390	430	582	504
		283	281	243	186	157	NA	284	NA	NA	223	304	313
3-870	PARK CITY	440	480	344	360	304	384	496	456	432	336	464	496
		253	265	210	201	187	195	308	311	187	239	240	269
3-880	PARK CITY-Y.V. REA	1080	1008	936	888	792	900	1008	1032	984	816	1176	1020
		635	689	572	507	NA	NA	698	702	525	493	585	660
3-890	REED POINT	252	300	270	258	222	204	210	210	210	240	234	294
		174	200	161	145	122	115	123	124	NA	NA	170	176
3-900	REED POINT-B.T. REA	NA	432	390	354	222	174	174	162	174	270	390	402
		NA	259	207	177	122	108	101	105	109	143	193	204

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3-910	REED POINT - F&W	58 6	53 5	52 5	48 4	40 3	36 4	132 34	136 6	40 4	28 3	40 4	40 4
3-920	BEAR CREEK	90 46	90 53	75 37	75 40	75 37	60 30	72 35	60 36	75 39	75 40	75 NA	90 NA
3-930	BRIDGER	585 414	576 431	450 125	450 353	495 326	585 391	810 554	630 NA	630 NA	630 379	585 NA	540 NA
3-935	BRIDGER-CHANCE	1620 910	1710 NA	1800 NA	1620 NA	1440 NA	1440 NA	1710 NA	1584 1078	1530 NA	1314 945	2106 1094	1584 1198
3-940	BRIDGER PUMP	NA 4	NA 1	3750 6	NA NA	NA NA	NA 6	NA 219	NA NA	NA NA	734 111	NA NA	NA NA
3-942	BRIDGER-NEWMONT	NA NA	NA NA	NA NA	NA NA	135 5	270 77	270 150	225 87	90 16	90 NA	NA NA	NA NA
3-950	DRY CREEK	144 73	174 77	165 88	162 103	162 79	144 98	126 97	138 88	132 77	144 73	150 73	186 97
3-955	EAST ROSEBUD	72 42	66 40	72 35	60 29	78 30	72 29	66 31	120 43	NA NA	89 9	72 49	94 33
3-960	EAST ROSEBUD REA	NA NA	12 NA	12 NA	12 NA	29 8	79 NA	100 32	72 40	65 11	49 5	20 7	28 8
3-970	EDGAR-B.T. REA	1560 902	1440 971	1296 305	1140 720	934 553	1020 683	1320 624	1128 684	984 686	984 612	1284 748	1344 857
3-975	ROCKVALE	1110 678	1050 732	1050 606	1020 564	960 NA	690 NA	948 560	900 513	930 560	1020 552	1260 654	1350 723
3-980	FROMBERG	585 329	630 371	495 273	450 265	423 217	441 236	765 352	630 333	NA 282	450 263	585 305	630 340
3-1010	RED LODGE	2520 1390	2400 1364	2040 1236	1680 1118	1500 955	1620 747	1500 1032	1500 1006	1440 1000	1740 1045	2424 1273	2280 1397
3-1015	LUTHER - B.T. REA	300 171	330 181	285 164	270 150	300 124	210 114	210 112	210 111	222 127	270 139	330 172	330 168
3-1020	RD LDG GRIZZLY PK.	420 130	432 138	420 130	405 98	90 33	48 NA	48 NA	30 7	30 11	90 28	450 92	450 131

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
3-1030	RED LODGE-B.T. REA	1080	1140	1110	1140	780	840	733	732	672	736	1164	1086
		603	604	539	479	347	359	NA	385	359	423	564	596

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
4- 13	HARLOWTON DIST.	2040 1219	2016 1154	1992 1058	1992 993	1908 903	2016 997	1440 905	1464 968	1440 1025	1680 891	1992 1304	1968 1169
4- 22	TWO DOT STEPUP	432 281	420 281	408 280	264 263	360 271	456 253	348 203	432 221	240 165	264 223	420 267	384 148
4- 40	UTICA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
4- 120	HARLOWTON REA	780 406	708 335	708 358	636 388	540 238	360 185	294 168	312 184	375 194	438 244	738 379	672 338
4- 130	WINNECOOK K-6	30 22	34 24	26 20	30 26	27 21	29 22	27 20	26 21	29 21	27 20	25 21	26 20
4- 131	BOULEVARD	1152 457	1152 704	2375 1014	2638 1660	3864 3205	3768 2723	3480 1639	NA 2453	NA 2875	4630 3051	5654 3694	6528 3969
4- 140	SHAWMUT	NA NA	84 16	81 55	81 54	87 51	90 57	84 44	75 41	72 41	56 45	75 44	84 52
4- 150	SHAWMUT REA	25 13	23 13	29 15	25 12	23 7	14 7	13 5	45 5	14 5	14 7	22 10	18 9
4- 170	BARBER	NA NA	30 19	33 16	30 16	132 29	150 48	150 35	135 79	135 65	129 21	33 15	30 17
4- 200	NIHILL	702 429	665 489	660 452	636 433	516 366	516 325	396 298	396 299	438 304	522 375	594 391	630 442
4- 211	JUDITH GAP	384 226	390 260	330 228	330 223	288 194	258 139	276 198	279 197	294 206	309 229	354 198	354 277
4- 220	STRAW	792 427	672 NA	696 NA	624 NA	600 NA	432 NA	456 NA	474 NA	372 NA	528 NA	672 403	NA NA
4- 230	ROYSTON	28 3	35 3	40 3	43 2	46 1	34 NA	36 2	17 NA	NA NA	NA NA	NA NA	44 2
4- 231	RUBY GULCH REA	498 291	468 324	420 271	576 308	456 223	486 209	426 182	492 187	660 225	600 197	516 307	504 296
4- 240	MOORE	744 372	816 322	NA NA	780 294	684 277	696 565	624 NA	696 147	828 198	852 264	828 336	888 356

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
4-260	GLENGARRY REA	1476 823	1296 815	1278 730	1107 711	909 574	720 485	630 435	774 438	828 457	990 577	1224 698	1242 818
4-268	BERG SAWMILL	240 22	240 22	180 20	168 10	216 21	264 32	280 36	232 26	398 43	456 34	444 54	324 14
4-270	LEWISTOWN NO. 1	2352 1891	1920 661	1872 986	3120 1200	1872 1461	2424 1419	2712 1218	2400 1225	1680 1064	1968 1151	2064 1030	2256 1036
4-280	HEATH REA	1080 573	1260 605	828 552	810 495	612 425	558 382	522 370	558 339	594 420	738 460	936 520	954 550
4-290	HEATH U.S. GYPSUM	960 428	960 348	960 369	928 358	896 554	896 355	832 368	864 447	928 653	896 272	896 351	960 449
4-340	LEWISTOWN RADAR	228 157	240 180	216 NA	228 NA	216 146	132 93	108 80	120 81	180 134	234 159	NA NA	264 NA
4-350	HILGER REA	4649 3115	4141 2714	4057 2693	3892 2437	2747 1865	3240 1655	2282 1621	2536 1700	2705 NA	3043 NA	NA 2411	4057 3522
4-410	LEWIS. NO. 3 PEAVEY	166 NA	141 NA	160 17	141 12	128 11	115 7	90 8	70 11	160 16	134 20	166 22	186 40
4-420	HANOVER JCT	134 NA	134 NA	139 NA	149 NA	134 13	139 NA	NA NA	200 69	140 47	150 NA	NA NA	NA NA
4-430	ROSSFORK M-11	29 19	26 16	26 16	32 29	29 23	40 23	30 19	NA NA	30 23	25 23	26 22	31 23
4-440	KOLIN REA	450 221	372 221	348 195	330 174	282 152	216 122	210 116	210 117	216 123	330 143	480 173	345 193
4-450	MOCCASIN	430 191	420 278	408 242	396 232	324 197	288 163	276 169	240 170	276 149	384 207	NA NA	600 239
4-460	WINDHAM	NA 388	NA NA	450 NA	450 363	360 310	360 276	360 233	405 242	360 205	414 169	495 357	NA NA
4-501	STANFORD CITY	1800 965	1680 978	1500 896	1380 837	1320 636	1080 625	900 388	780 386	780 421	840 462	1140 583	2460 664
4-510	DENTON	1776 1240	1704 1200	1512 1068	1632 NA	1272 NA	1200 693	1080 770	1152 1018	1200 641	1248 1239	1440 636	1656 NA

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
4-530	SQ. BUTTE NO. 258	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
4-540	GERALDINE	1138 708	1224 809	1026 702	1026 638	882 534	792 437	792 513	828 436	810 600	918 578	1224 NA	1170 1023
4-550	MERINO B-1	NA NA	NA NA	34 30	NA NA	36 32	42 29	NA NA	48 37	43 35	46 32	48 44	48 30
4-560	GEYSER	90 51	90 51	81 46	90 48	85 46	72 42	72 45	72 45	67 40	67 39	76 41	81 46
4-590	SPION KOP REA	870 494	810 545	660 455	720 468	600 355	600 276	600 339	510 301	540 303	540 311	750 479	720 410

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
6-130	MADISON STORAGE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	407	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240	NA
6-143	KYD PUMP	NA	NA	NA	NA	984	1944	NA	2148	1836	1612	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-150	IDEAL CEMENT	6100	6200	6000	6200	NA	6600	NA	NA	6700	6700	6700	2000
		4623	4297	4307	4481	NA	4239	NA	NA	NA	NA	5079	NA
6-151	THREE FORKS SJB	NA	1920	1920	1872	1776	2016	NA	1632	1776	1632	1872	1968
		NA	1227	1261	1190	1094	1327	NA	1233	1037	NA	NA	1343
6-152	THREE FORKS NO. 2	1488	1944	NA	1728	NA	1488	NA	1632	1632	1776	1968	2016
		1200	1110	1087	1040	958	990	NA	1020	987	NA	NA	1189
6-180	ENNIS	2160	1800	1560	1440	NA	1500	1560	1740	1500	1560	1800	1920
		NA	NA	NA	966	897	909	1118	1096	915	923	1129	1144
6-190	MADISON VALLEY	564	570	540	456	720	612	540	540	450	480	NA	552
		NA	397	319	301	299	351	283	337	234	278	NA	385
6-200	LOGAN	NA	101	75	96	64	64	NA	69	69	93	123	107
		NA	NA	39	40	33	39	NA	49	40	45	47	45
6-211	MANHATTAN	NA	NA	1278	1296	NA	1908	NA	2070	1635	1638	1656	1692
		NA	NA	NA	845	NA	NA	NA	1176	1100	991	1008	991
6-220	BELGRADE	5400	5544	4536	4680	4392	5328	NA	4608	3672	4824	4464	5580
		NA	NA	NA	2925	3150	2898	NA	2712	2724	2625	2793	2964
6-222	MOUNTAIN VILLAGE	NA	NA	NA	NA	3072	NA	NA	NA	1920	2064	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6-241	BOZ NORTHSIDE	5232	5760	5184	5280	5040	5040	NA	5230	5088	5038	5616	6096
		NA	2081	2377	4187	3510	3840	NA	2830	3503	3555	3633	4573
6-243	MEADOW VILLAGE	3456	4884	3204	NA	1524	2604	NA	3264	1350	3030	NA	NA
		1972	1840	1598	NA	1219	NA	NA	NA	NA	1511	NA	NA
6-250	BOZ SOUTHSIDE NO 3	4640	4800	4000	3520	3840	3520	NA	3584	3328	3936	4480	4352
		NA	1238	1280	2658	2185	NA	NA	NA	2225	2353	2324	2938
6-251	BOZ SOUTHSIDE NO 1	4160	4320	3360	4160	4160	3520	NA	3520	4000	4800	5440	4800
		NA	1209	2215	2844	2602	2289	NA	2148	2529	2860	3067	3869

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
6-252	BOZ SOUTHSIDE NO 2	4320	4352	4160	4320	4160	4320	NA	3680	3840	4320	4320	3840
		NA	1266	2391	2907	2546	2234	NA	1879	1922	2542	2422	2724
6-300	CHERRY CREEK	50	60	54	55	50	45	47	45	40	NA	44	50
		2	29	51	NA	18	15	17	14	15	16	20	22
6-311	BOZ HOT SPRINGS	2340	2184	1740	1680	1500	1440	NA	1560	1440	1800	2100	1560
		NA	608	1074	1217	932	1007	NA	1011	945	1137	1235	NA
6-320	BOZ SOURDOUGH	3840	3840	2944	2944	2112	2112	NA	2240	2368	3104	3456	3456
		NA	1326	1892	1880	1260	1351	NA	1308	1407	1583	1698	2129
6-321	EAST GALLATIN	5292	4620	3990	3570	3150	2940	NA	3360	3024	NA	4536	4872
		NA	1453	2552	2023	2123	2246	NA	2203	2003	2383	2713	3646
6-330	MOUNT ELLIS WTR	571	612	481	468	405	391	346	292	342	391	435	451
		293	332	292	278	234	217	190	163	198	208	249	268
6-340	MUIR	NA	348	270	NA	146	173	NA	NA	NA	NA	NA	NA
		184	NA	157	NA	137	37	NA	NA	NA	NA	NA	NA
6-350	CLYDE PARK REA	900	900	738	NA	630	648	NA	1476	702	1998	702	NA
		523	NA	NA	NA	299	NA	NA	NA	NA	NA	NA	NA
6-361	LIVINGSTON CITY	5536	5760	4000	NA	4000	3680	4320	4352	4032	4123	4603	4896
		2992	3281	2604	NA	2424	2253	2667	2495	2296	2497	2752	2982
6-362	LIVINGSTON N. SIDE	3600	3360	3096	NA	2352	2712	2760	2688	2784	2734	3600	3600
		2109	1855	2117	NA	1925	1797	1765	1766	1783	1930	2079	2269
6-363	DOWNER SUB	125	138	125	NA	115	NA	99	86	106	112	141	138
		59	66	52	NA	46	NA	32	31	32	43	53	60
6-364	PINE CREEK REA										NA	576	576
											NA	NA	396
6-380	MANHATTAN PUMP	1224	1188	1212	1200	1200	1212	NA	1224	1224	1212	1212	1236
		NA	996	910	1005	988	953	NA	820	889	921	927	956
6-390	LIVINGSTON REA	1188	1188	954	954	810	864	1134	1098	936	634	1152	1044
		699	719	648	641	478	592	645	728	443	353	457	538
6-410	CHICO REA	726	642	576	NA	480	NA	NA	846	NA	NA	NA	NA
		430	437	232	NA	357	NA	NA	489	NA	NA	NA	NA

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
6-420	CHICO	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
6-450	BROGAN	312 18	294 NA	246 144	NA NA	189 137	NA NA	NA NA	192 111	NA NA	240 NA	NA NA	NA NA
6-470	GARDINER	1120 NA	1040 660	1040 648	NA NA	1056 657	NA NA	NA NA	784 502	NA NA	1040 NA	NA NA	NA NA
6-500	MAMMOTH	603 NA	576 410	576 367	NA NA	1008 489	NA NA	NA NA	752 NA	NA NA	512 NA	NA NA	608 407
6-510	NORRIS JUNCTION	NA NA	NA NA	NA NA	NA NA	28 5	NA NA	NA NA	40 15	NA NA	NA NA	NA NA	NA NA
6-520	CANYON	NA NA	NA NA	NA NA	NA NA	656 59	NA NA	NA NA	960 524	NA NA	NA NA	NA NA	NA NA
6-530	LAKE YELLOWSTONE	NA NA	NA NA	NA NA	NA NA	960 96	NA NA	1168 NA	1440 NA	NA NA	NA NA	NA NA	NA NA
6-540	WEST THUMB	NA NA	NA NA	NA NA	NA NA	160 37	NA NA	NA NA	384 179	NA NA	NA NA	NA NA	NA NA
6-550	MADISON JUNCTION	NA NA	NA NA	NA NA	NA NA	76 31	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
6-560	OLD FAITHFUL	NA NA	NA NA	NA NA	NA NA	800 276	NA NA	NA NA	1360 718	NA NA	NA NA	NA NA	NA NA
6-601	BURKLAND LUMBER	576 134	552 131	608 150	NA NA	576 124	384 631	496 NA	496 190	520 148	536 155	568 159	552 145
6-602	PARK LUMBER	270 26	124 6	164 6	NA NA	236 1	178 6	NA NA	170 9	150 9	142 10	116 10	112 5
6-610	EBERT - WINDSOR	182 163	270 168	169 144	NA NA	119 95	396 268	414 312	583 312	364 312	NA NA	182 144	180 168
6-620	HUNTERS HOT SPRINGS	50 24	50 26	45 22	NA NA	45 21	72 28	129 74	30 38	73 26	92 33	55 25	55 26
6-630	SPRINGDALE PUMP	1656 NA	NA NA	1608 1140	NA NA	1656 942	1608 983	NA NA	1680 1290	1704 NA	1704 NA	1896 1187	1800 1348

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
6- 631	SPRINGDALE REA	144	306	157	NA	90	175	NA	225	225	225	225	234
		6	44	104	NA	47	67	NA	119	96	51	55	64
6- 640	MCLEOD REA	252	240	240	240	276	276	NA	360	NA	348	312	276
		163	171	148	148	114	156	NA	230	NA	NA	166	171
6- 650	BIG TIMBER	2720	1712	1376	1600	1360	1296	NA	1344	1280	1360	1712	1936
		1043	1286	947	994	800	652	NA	879	909	1135	1067	943
6- 660	MELVILLE	500	500	480	430	480	360	NA	468	360	420	600	600
		263	466	295	388	232	136	NA	233	206	235	289	388
6- 670	GREYCLIFF	228	NA	210	222	174	138	NA	156	156	204	228	240
		85	151	122	75	95	73	NA	97	73	108	107	103
6- 690	BIG TIMBER REA	634	576	480	337	234	225	NA	384	NA	492	552	648
		328	431	323	288	180	156	NA	NA	NA	NA	333	364
6- 700	FRAZIER PUMP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6- 710	GREEN RANCH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
7- 20	BASIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	264
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	153	188
7- 70	CANYON CREEK	1560	1536	1536	2280	1560	1560	1560	NA	1680	1920	2040	2640
		1468	976	1000	1006	623	1000	NA	NA	1056	1219	1356	1425
7- 80	GILBERT	780	780	780	NA	780	870	780	NA	450	540	750	750
		271	286	268	NA	NA	NA	NA	NA	NA	314	400	461
7- 90	WOLF CREEK	696	672	588	534	564	534	600	534	438	642	666	636
		378	401	502	568	523	221	361	322	286	353	410	376
7- 101	TOWNSEND	4464	4464	4488	3840	4080	3840	NA	NA	1848	NA	3240	4320
		3138	2567	2190	2389	2258	2552	NA	NA	1284	NA	NA	2303
7- 111	TOSTON	480	504	504	1296	1632	1440	1440	NA	1104	432	648	600
		NA	298	309	402	707	638	845	NA	NA	360	334	361
7- 120	CROW CREEK W/BR	NA	NA	NA	NA	NA	1752	1952	1984	1952	1152	NA	NA
		NA	NA	NA	NA	NA	NA	1451	1604	1340	NA	NA	NA
7- 130	LOWETH NO 1	2850	2974	2738	2726	2726	2738	2726	2726	2664	2974	3159	3221
		1483	1634	1284	NA	1004	NA	NA	NA	1420	1460	1930	1828
7- 200	BOULDER	1812	1960	1620	1500	1380	1320	1320	1320	1380	1500	1800	1740
		NA	1250	1155	1052	845	1021	905	895	947	1015	1119	1245
7- 220	KAISER CEMENT	NA	NA	NA	4520	5100	5100	5150	5220	5310	5250	5160	5350
		3542	2705	2241	NA	4198	4254	4386	2754	4232	4428	3899	4495
7- 240	EAST HELENA A&R	NA	NA	NA	NA	NA	NA	1000	1110	1170	2736	2928	2952
		2365	2388	2326	NA	NA	2352	719	858	940	2223	2365	2353
7- 260	ALHAMBRA	1176	960	960	960	960	960	744	NA	876	1020	1140	1140
		NA	NA	439	375	309	300	NA	NA	472	542	635	673
7- 301	E HELENA TWN & RUL	6426	7350	5544	5670	5670	5376	5460	5690	4788	5166	4410	5040
		4577	4706	4051	3897	3238	3753	3844	3418	3343	3443	3946	4298
7- 302	EAST HELENA ACM	NA	NA	NA	NA	NA	NA	NA	NA	NA	2496	2784	2328
		1900	1379	1966	NA	2656	NA	1787	1656	1841	1827	1645	1981
7- 303	NAT CYLINDER GAS	1312	1312	1328	1312	1312	1312	1264	1264	1280	1280	1296	1312
		1233	1231	1239	1182	846	1200	1120	1131	1177	1204	1170	1150

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
7- 320	YELLOWSTONE PIPE	1704 909	1396 996	1944 903	1848 960	1968 941	1800 934	1632 835	2112 897	1944 1038	1752 1057	1920 987	1944 1041
7- 321	HELENA EAST SIDE 1	5520 3731	5280 3660	5040 3303	5040 3171	4560 2363	4656 2680	5040 3360	4800 3013	4608 3083	4800 3220	5280 3452	5520 3631
7- 322	HELENA EAST SIDE 2	4704 3172	4608 3160	4560 2931	4560 2829	4608 2563	4560 2587	4800 2927	4704 2694	4656 2786	4656 2927	4704 2974	4704 3183
7- 331	HELENA FRONT ST. 1	4560 2869	4896 3076	5808 2973	2792 2553	NA 2344	3936 2433	5136 2600	4896 2906	4560 3055	5088 3207	5424 3355	5760 3506
7- 332	HELENA FRONT ST. 2	3712 2611	3968 2970	3616 2347	3776 2431	3520 2192	3744 2249	3616 2818	3520 2079	4800 2120	3104 2120	3328 2383	3936 2621
7- 351	HELENA WEST SIDE 1	4896 2754	5120 2998	4096 2582	4096 2494	3712 2238	3520 2151	4416 2227	4416 2067	3456 2133	4000 2316	4352 2477	4544 2496
7- 352	HELENA WEST SIDE 2	7344 4170	7632 5004	6120 4020	6048 3944	5616 3600	5832 3920	6624 4290	6336 3309	3456 2234	3888 2350	4464 2623	4680 2869
7- 353	HELENA WEST SIDE 3	SUB. NOT IN SERVICE IN 1975											

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
9- 71	MISSOULA #1 3.3 KV	6380	5220	6380	6380	6380	6960	6960	6960	6280	6960	6380	6380
		NA	3970	3884	3664	3625	3567	3898	3775	3706	3667	3320	4028
9- 72	MISSOULA #1 BANK 3	NA	NA	NA	NA	6228	5882	6920	5536	8996	7612	8304	8304
		NA	NA	NA	NA	2928	4424	4837	3559	5526	4922	5116	4421
9- 76	BONNER	12240	13680	11808	11520	NA	12096	12240	11520	12096	11520	10800	13680
		6990	6090	7093	5343	NA	5350	1728	5438	6350	5338	5845	7160
9- 100	FRENCHTOWN W/BPA	4368	4872	3690	3720	2952	3976	2064	NA	NA	1352	1745	2252
		2965	3242	2629	2481	2062	2371	1490	NA	1300	1008	1392	1308
9- 107	HOERNER-WALDORF BK1	NA	7632	7680	6720	6720	6480	8640	7920	7440	7200	6816	7680
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9- 108	HOERNER-WALDORF BK2	6960	7680	7680	6864	6720	6960	6960	8160	7536	7440	7680	7680
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9- 109	HOERNER-WALDORF BK3	6212	7680	7680	6720	6624	6960	6960	7920	7536	7200	7680	7680
		NA	5006	4455	3486	2603	4100	3218	NA	3823	6165	1312	5026
9- 120	ALBERTON	NA	956	745	745	673	590	749	587	600	1104	960	972
		NA	NA	549	509	437	399	406	400	435	495	601	641
9- 140	DIAMOND MATCH	2400	2310	2310	2410	2290	NA	2376	2376	2844	2700	2880	2916
		NA	1266	1317	1397	1255	1940	NA	1405	NA	NA	1321	1796
9- 150	SUPERIOR	1720	1540	1440	1400	1320	1360	1640	1320	1680	1640	1800	1960
		NA	1067	1096	972	875	877	962	935	942	1069	1285	1394
9- 160	ST. REGIS	736	720	696	624	520	360	752	624	800	816	896	800
		NA	438	469	443	417	NA	NA	430	440	473	548	545
9- 180	HAUGEN	288	288	228	234	216	240	288	282	480	384	300	318
		NA	144	134	129	128	133	141	141	134	154	175	193
9- 181	HUSON REA						NA	NA	1120	980	1064	1428	1680
							NA	NA	NA	595	548	1023	1064
9- 190	SALTESE	212	224	184	160	176	100	88	126	108	160	154	142
		NA	122	114	92	NA	NA	NA	NA	NA	NA	NA	NA
9- 219	MISSOULA #1 BANK 4	8160	NA	8640	7680	NA	7200	6720	6240	NA	8640	9120	9120
		NA	NA	5239	5419	5213	4745	4761	4425	4987	5448	5781	5813

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
9- 220	MISSOULA #2 BANK 3	3736 4516	7392 4525	7560 4448	6384 4177	6384 4030	6048 3889	6388 4391	6720 4115	7056 4270	7056 4417	8400 4652	3400 4923
9- 221	MISSOULA #2 BANK 1	11280 7210	12000 7214	9720 6532	9600 6323	9600 6167	9360 6315	11520 5677	11040 6909	12480 7883	NA 7431	12480 7758	13680 6517
9- 222	MISSOULA #2 BANK 2	12480 6335	9600 6185	8352 5729	8448 5665	9120 5370	8928 5437	9600 5794	8640 4933	8640 5213	8064 5324	8352 5574	9600 5960
9- 231	MISSOULA #3 BANK 1	6624 3619	6768 4071	4324 3697	NA 3281	6120 2466	6336 5079	7272 4123	8280 5359	8280 1782	6784 3456	3960 2191	6640 4320
9- 232	MISSOULA #3 BANK 2	7440 5323	7800 5893	11280 5645	11230 5887	NA 6516	11400 7125	11280 6726	11040 7414	12480 8176	17760 3741	11880 7212	18000 8017
9- 250	PLAINS	4800 NA	4320 2729	4080 NA	4080 NA	3480 3100	3768 1747	3864 3176	3696 1876	3456 1454	3552 NA	4788 2374	3432 2213
9- 272	THOMPSON FALLS YPL	1450 NA	1450 NA	1470 NA	1450 NA	1450 NA	1450 NA	1400 NA	1400 NA	1450 NA	1400 NA	1450 NA	NA NA
9- 510	THOMPSON FALLS LUMB	890 414	386 455	NA 328	984 283	1000 469	968 509	960 486	1032 543	1056 485	1096 586	1136 NA	NA NA
9- 530	THOMPSON FLS RURAL	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
9- 570	LOLO	4608 1800	4500 2053	3744 2419	3528 2198	NA 1887	2880 1977	3024 1974	3096 1991	3096 1877	3816 2514	NA 1023	5112 3106
9- 580	FLORENCE	NA NA	480 NA	510 371	468 338	474 NA	456 123	516 323	462 322	474 284	630 329	672 463	750 396
9- 590	STEVENSVILLE	2208 NA	2304 1495	1926 1321	1872 1226	1872 1125	1944 1347	2052 1425	1944 1327	1746 1142	1962 1206	2322 1469	2466 1593
9- 610	STEVENSVILLE W/BPA	2520 1563	2744 1765	2072 1366	2100 1357	1624 1042	2016 1517	1848 1432	NA NA	NA 971	NA 1011	NA 1322	NA 1663
9- 620	VICTOR	NA 372	NA 396	498 349	468 337	408 293	516 360	516 366	528 393	468 323	432 319	528 342	510 420
9- 639	GRANTSDALE W/BPA	1092 760	1344 837	1106 652	1190 643	854 504	1302 876	954 739	NA NA	NA NA	NA NA	NA NA	NA NA

INST. NO.	SUBSTATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
9-640	HAMILTON CITY	2880	3008	2848	2720	2624	2316	3136	3232	2784	2848	2656	3296
		1957	1940	1790	1733	1664	1781	2009	2026	1729	1807	1913	2078
9-641	HAMILTON RURAL	2880	3024	2496	2376	2160	2592	2592	3960	2304	2592	2808	3168
		1794	1784	1579	1652	1433	1694	1813	NA	NA	1575	1589	1934
9-650	CORVALLIS	1260	1350	1080	1008	990	1404	1476	1440	1080	1116	1260	1440
		255	283	231	242	183	305	327	331	217	263	181	300
9-660	DARBY	6750	7250	7000	7250	6300	5750	5050	5750	6000	6000	7500	7500
		3952	4160	3683	3659	3254	3111	2739	3017	2891	NA	3410	4025
9-681	THOMPSON FALLS CITY	2160	2304	1992	1920	1704	1440	1440	1536	1440	1824	2256	NA
		1401	1267	NA	NA	1037	906	866	943	972	1381	NA	NA
9-682	THOMPSON FALLS REA	588	560	490	434	350	322	336	336	322	350	462	NA
		353	375	301	286	226	195	191	200	197	210	272	NA
9-700	FLODIN LUMBER	1032	1068	1020	990	960	900	888	900	900	1020	1050	NA
		373	379	358	367	345	NA	356	344	309	375	NA	NA
9-710	RAVENNA W/BPA	387	375	474	318	243	348	360	NA	NA	NA	150	NA
		233	247	192	195	179	194	240	NA	NA	NA	NA	NA
9-720	TARKIO W/BPA	495	492	381	372	306	300	253	NA	NA	NA	NA	NA
		NA	333	257	241	206	200	176	NA	185	214	282	NA
9-730	CORVALLIS W/BPA	2996	4144	3103	3136	2240	2408	3248	NA	NA	NA	NA	NA
		2356	2488	1917	1816	1231	1686	2426	NA	NA	NA	NA	NA

ESTIMATED PEAK SUBSTATION LOAD IN KILOWATTS 1976 - 1986

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
1- 91	ANACONDA CITY NO. 1	3358	3399	3439	3481	3522	3565	3607	3651	3694	3739
1- 92	ANACONDA CITY NO. 2	3683	3751	3820	3891	3962	4035	4110	4185	4263	4341
1- 94	ANACONDA CITY NO. 3	4088	4252	4422	4599	4783	4974	5173	5380	5595	5819
1- 95	ANACONDA CITY N. 4	4945	5143	5349	5563	5785	6016	6257	6507	6768	7038
1- 131	DEERLODGE CITY 4.1	1810	1824	1839	1354	1869	1384	1899	1914	1929	1945
1- 132	DEERLODGE CITY 12.	1957	1996	2036	2076	2118	2160	2203	2248	2293	2339
1- 133	DEER LODGE 25 KV	1973	2073	2187	2303	2424	2552	2687	2829	2979	3136
1- 140	DEERLODGE GAS PUMP	1656	1662	1668	1674	1680	1686	1692	1699	1705	1711
1- 160	MONT. PHOSPHATE SUB	2399	2515	2637	2765	2898	3038	3185	3339	3501	3670
1- 181	DRUMMOND CITY	1395	1431	1467	1505	1543	1582	1622	1663	1704	1746
1- 183	DRUMMOND PUMP	1041	1112	1187	1267	1353	1445	1543	1647	1758	1877
1- 189	INDUSTRIAL PARK SUB	1852	1945	2042	2144	2251	2364	2482	2606	2737	2873
1- 190	PACIFIC STREET	5654	5634	5615	5596	5576	5557	5538	5519	5499	5480
1- 212	ARBITER BANK NO. 1	9000	9273	9554	9843	10142	10449	10766	11092	11428	11774
1- 213	ARBITER BANK NO. 2	9000	9273	9554	9843	10142	10449	10766	11092	11428	11774
1- 215	ANACONDA SMELTER A	7500	7727	7961	8203	8451	8707	8971	9243	9523	9812
1- 216	COMP. SUB-SMELTER	11098	11434	11781	12138	12506	12885	13275	13677	14092	14519
1- 221	CONCENT. BK. 1 ANA	8737	9002	9275	9556	9845	10144	10451	10768	11094	11430
1- 222	CONCENT. BK. 2 ANA	8648	8910	9180	9458	9745	10040	10344	10658	10981	11314
1- 223	CONCENT. BK. 3 ANA	8120	8366	8620	8881	9150	9427	9713	10007	10310	10623
1- 224	CONCENT. BK. 4 ANA	5043	5196	5353	5516	5683	5855	6032	6215	6403	6597

EXHIBIT "K"

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
1- 225	CONCENT. BK. 5 ANA	6532	6730	6934	7144	7361	7584	7813	8050	8294	8545
1- 232	MONTANA ST. BANK 1	5509	5534	5560	5585	5611	5637	5663	5689	5715	5741
1- 233	MONTANA ST. BANK 2	3223	3287	3352	3419	3487	3556	3627	3698	3772	3847
1- 234	MONTANA ST. BANK 3	5596	5890	6198	6519	6854	7204	7570	7951	8350	8765
1- 235	MONTANA ST. BANK 4	6995	7229	7468	7713	7965	8222	8486	8756	9033	9317
1- 240	TAILINGS BOOST ANA	4500	4636	4777	4922	5071	5224	5383	5546	5714	5887
1- 241	CRUSHER SUB BK 1 A	2000	2061	2123	2187	2254	2322	2392	2465	2540	2616
1- 242	CRUSHER SUB BK 2 A	2000	2061	2123	2187	2254	2322	2392	2465	2540	2616
1- 243	PRECIP SUB BK 1 AN	6546	6810	7080	7357	7639	7929	8225	8527	8837	9153
1- 244	PRECIP SUB BK 2 AN	2901	2989	3079	3173	3269	3368	3470	3575	3684	3795
1- 260	RAMSAY PUMP ANA	1112	1146	1180	1216	1253	1291	1330	1370	1412	1455
1- 280	CONTINENTAL DR. 1	3283	3422	3564	3709	3857	4008	4162	4319	4480	4644
1- 285	CONTINENTAL DR. 2	4878	4888	4897	4907	4916	4926	4936	4945	4955	4965
1- 291	RENOVA DISTRIBUTION	1011	1072	1136	1204	1277	1353	1434	1521	1612	1708
1- 310	DIVIDE	3313	3580	3869	4180	4517	4881	5275	5700	6159	6656
1- 332	HAYES STREET ANA	1005	1035	1067	1099						
1- 360	PHILIPSBURG CITY	1121	1130	1139	1148	1157	1166	1175	1185	1194	1203
1- 380	FOSTER CREEK	931	963	996	1031	1065	1103	1141	1180	1221	1263
1- 421	DILLON CITY 4.16 K	5000	5050	5101	5152	5203	5255	5308	5361	5414	5468
1- 422	DILLON CITY 12.5 KV	3037	3056	3076	3095	3115	3134	3154	3174	3195	3215
1- 425	DILLON AIRPORT	890	1017	1161	1326	1515	1731	1977	2258	2579	2945
1- 430	POINT OF ROCKS W/B	1200	1300	1400	1500	1600	1800	1900	2000	2200	2400

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
1- 431	BARRETTS W/BPA	1520	1670	1800	2000	2200	2400	2600	2900	3200	3500
1- 440	SHERIDAN	1976	2077	2183	2294	2411	2534	2663	2799	2942	3092
1- 451	TWIN BRIDGES	1212	1277	1346	1418	1494	1574	1658	1747	1841	1940
1- 480	WHITEHALL	1083	1103	1123	1144	1165	1187	1209	1231	1254	1277
1- 500	VIRGINIA CITY	397	402	407	412	417	422	427	432	438	443
1- 530	DELL REA	1800	1900	2200	2500	2600	2800	3000	3300	3500	3800
1- 540	DRUMMOND W/BPA	7210	7910	8600	9300	10230	11230	12280	13510	14740	16140
1- 550	PHILIPSBURG AUTO	2676	2712	2749	2787	2825	2863	2902	2942	2982	3022
1- 570	BANNACK REA	2270	2300	2400	2500	2700	2300	2900	3100	3200	3400
1- 580	DILLON REA	2420	2730	2900	3100	3300	3500	3800	4100	4400	4700
1- 590	DIVIDE W/BPA	1200	1300	1400	1500	1600	1800	1900	2000	2200	2400
1- 592	STONE CREEK W/BPA	2137	2265	2401	2545	2698	2860	3031	3213	3406	3610
1- 600	SILVER STAR REA	900	1000	1100	1100	1200	1300	1400	1500	1600	1800
1- 611	WHITEHALL REA	1000	1100	1100	1200	1300	1400	1500	1600	1700	1900
1- 651	CORRA BANK 1 ANA	4016	4341	4680	5033	5399	5781	6178	6592	7022	7470
1- 652	CORRA BANK 3 ANA	2315	2385	2457	2532	2609	2688	2769	2853	2940	3029
1- 653	CORRA BANK 5 ANA	3112	3206	3303	3404	3507	3613	3722	3835	3952	4071
1- 661	KELLY COMPRESSOR 1	6500	6920	7368	7845	8352	8893	9469	10081	10734	11428
1- 662	KELLY COMPRESSOR 2	6500	6920	7368	7845	8352	8893	9469	10081	10734	11428
1- 663	KELLY MINE ANA	4600	4739	4883	5031	5183	5341	5502	5669	5841	6018
1- 664	ELEC. FURN 1 ANA	20000	20606	21231	21874	22537	23220	23923	24648	25395	26165
1- 665	ELEC. FURN 2 ANA	20000	20606	21231	21874	22537	23220	23923	24648	25395	26165

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2- 100	MISSION ROAD	2338	2345	2351	2357	2363	2370	2376	2382	2389	2395
2- 101	ADEL (CASCADE)	318	337	357	379	401	426	451	478	507	537
2- 131	CITY SUB - NO. BANK	11791	12732	13748	14846	16030	17310	18691	20183	21794	23533
2- 132	CITY SUB - SO. BANK	15000	15900	16854	17865	18937	20073	21278	22554	23908	25342
2- 134	NORTHWEST NO. 2	3780	3969	4167	4376	4595	4824	5066	5319	5585	5864
2- 141	EAST SIDE SO. BANK	7000	7210	7426	7649	7879	8115	8358	8609	8867	9133
2- 142	EAST SIDE NO. BANK	14762	15507	16290	17113	17977	18884	19838	20839	21891	22996
2- 150	SOUTH SIDE E. BANK	10808	11294	11803	12334	12889	13469	14075	14708	15370	16062
2- 151	SOUTH SIDE W. BANK	7507	8036	8604	9211	9861	10557	11303	12100	12955	13869
2- 160	WAYNE PUMP (FIFE)	997	999	1001	1003	1005	1007	1009	1011	1013	1015
2- 170	RAYNESFORD PUMP	3899	4037	4182	4336	4500	4673	4856	5051	5257	5475
2- 180	MONARCH VALLEY	729	761	794	829	865	903	943	984	1027	1072
2- 191	KINGS HILL OLD T-BA	189	189	189	188	188	188	188	188	187	187
2- 220	HAVRE HIGHLAND PARK	4965	5136	5312	5495	5684	5880	6082	6291	6508	6731
2- 240	SACO ALFALFA	325	330	336	341	346	351	357	362	368	374
2- 251	VAUGHN	2530	3009	3095	3189	3290	3400	3520	3650	3791	3944
2- 260	TREASURE STATE INDU	192	194	196	198	200	202	204	206	208	210
2- 290	PAPIN GRAVEL	175	175	175	175	175	175	175	175	175	175
2- 300	ASHUELOT W/BR	3081	3111	3142	3174	3206	3238	3270	3303	3336	3369
2- 310	FORT SHAW W/BR	2040	2081	2122	2165	2208	2252	2297	2343	2390	2438
2- 311	FAIRFIELD	1143	1174	1207	1240	1275	1310	1346	1384	1422	1461
2- 312	FAIRFIELD - AUGUSTA	597	614	631	649	667	686	705	725	745	766

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2- 320	FAIRFIELD W/BR	1522	1549	1576	1604	1632	1660	1688	1717	1745	1774
2- 330	BOLE	200	204	208	212	216	221	225	230	234	239
2- 340	CHOTEAU	2256	2433	2620	2817	3025	3244	3474	3718	3975	4245
2- 341	CHOTEAU 12.5 KV	998	1038	1080	1123	1168	1215	1263	1314	1366	1421
2- 350	PENDROY W/BR	1602	1603	1603	1603	1603	1604	1604	1604	1604	1605
2- 360	PONDERA OIL FIELD	391	401	410	420	431	441	452	463	474	485
2- 370	CONRAD PUMP	415	415	416	417	418	418	419	420	420	421
2- 380	CONRAD CITY	4384	4582	4789	5005	5231	5468	5715	5973	6243	6525
2- 390	BRADY	765	794	824	855	887	921	955	991	1029	1068
2- 400	BRADY W/BR	1809	1818	1827	1836	1845	1855	1864	1873	1883	1892
2- 410	DUTTON	1221	1246	1272	1299	1326	1354	1382	1411	1440	1470
2- 420	DUTTON PUMP	3147	3231	3320	3413	3511	3614	3723	3836	3956	4082
2- 430	POWER TOWN	1077	1116	1158	1202	1249	1298	1351	1407	1467	1530
2- 440	CARTER	434	444	454	465	476	487	498	510	522	534
2- 450	FORT BENTON	3365	3388	3412	3436	3461	3485	3510	3534	3559	3585
2- 460	PORTAGE	605	629	654	679	706	734	762	792	823	856
2- 480	LOMA	248	251	255	259	263	267	271	275	279	284
2- 490	SO. VIRGELLE W/BR	533	615	710	820	947	1094	1263	1459	1685	1946
2- 500	BIG SANDY	1396	1453	1512	1574	1638	1705	1774	1846	1922	2000
2- 511	BOX ELDER	725	740	755	770	786	802	819	836	853	872
2- 520	GOOSEBILL REA W/BR	89	90	92	94	96	98	100	102	104	106
2- 530	CHESTER	1722	1745	1769	1793	1818	1843	1868	1893	1919	1945

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2- 540	JOPLIN	345	355	365	375	385	396	407	418	430	442
2- 550	INVERNESS	207	209	211	212	214	215	217	218	220	222
2- 560	RUDYARD	562	564	565	566	567	568	570	571	572	573
2- 570	HINGHAM	427	434	441	448	456	463	471	478	486	494
2- 580	GILDFORD	337	342	348	353	359	365	371	377	383	389
2- 590	KREMLIN	249	252	255	257	260	263	266	269	272	275
2- 591	KREMLIN W/BR	583	618	655	694	736	780	827	877	929	985
2- 600	HAVRE CITY	8242	8295	8348	8401	8455	8509	8563	8618	8673	8723
2- 601	HAVRE E. BANK NO. 1	2062	2186	2317	2456	2604	2760	2926	3101	3288	3485
2- 602	HAVRE W. BANK NO. 3	2426	2572	2726	2890	3064	3247	3442	3649	3868	4100
2- 630	LOHMAN	671	707	745	786	828	873	920	970	1022	1077
2- 640	LOHMAN REA	1399	1504	1617	1738	1868	2007	2157	2319	2492	2679
2- 650	CHINOOK	3116	3248	3387	3531	3682	3839	4002	4173	4351	4536
2- 651	NO. CHINOOK W/BR	347	371	397	425	455	487	522	558	598	640
2- 660	ZURICH	407	468	532	601	675	754	839	929	1026	1130
2- 665	MOHAR W/BR	85	86	86	87	87	88	88	88	89	89
2- 670	HARLEM	2706	2865	3034	3213	3403	3603	3815	4040	4278	4531
2- 681	HARLEM REA W/BR	1595	1694	1800	1912	2030	2157	2291	2433	2585	2746
2- 682	NO. HARLEM W/BR	87	92	98	103	109	115	122	129	137	144
2- 690	DODSON	442	450	458	466	474	483	491	500	509	518
2- 700	WAGNER	227	230	232	234	236	239	241	244	246	249
2- 710	MALTA	3447	3560	3676	3796	3920	4048	4181	4317	4458	4604

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
2- 712	MALTA EAST RURAL	790	825	870	910	955	1003	1053	1106	1161	1219
2- 720	SACO W/BR	714	740	768	797	828	860	894	930	967	1007
2- 730	SACO	334	340	347	353	360	367	374	382	389	397
2- 740	HINSDALE W/BR	840	903	971	1044	1122	1206	1296	1393	1498	1610
2- 750	HINSDALE TOWN	396	405	415	425	435	446	457	468	479	491
2- 760	TAMPICO	36	38	39	41	42	44	45	47	49	50
2- 780	GLASGOW WEST SIDE	3996	4211	4437	4675	4927	5191	5470	5764	6074	6400
2- 790	GLASGOW EAST SIDE	3893	4125	4371	4631	4906	5198	5508	5836	6183	6551
2- 810	GLASGOW AFB	3565	3678	3795	3915	4038	4166	4298	4439	4574	4719
2- 850	NASHUA	669	682	695	708	722	735	749	764	778	793
2- 880	FIFE	227	226	225	225	224	223	223	222	222	221
2- 921	ULM	2621	2715	2815	2922	3035	3156	3286	3423	3570	3727
2- 950	STOCKETT	1202	1259	1318	1380	1445	1513	1584	1658	1736	1818
2- 960	BELT	2088	2205	2328	2458	2596	2741	2894	3056	3226	3407
2- 970	ARMINGTON W/BR	196	201	206	211	215	220	225	231	236	242
2-1020	BLACK EAGLE	18666	18807	18949	19093	19237	19383	19529	19677	19826	19976
2-1026	PHILLIPS REFINERY	2188	2220	2252	2284	2317	2351	2385	2419	2454	2490
2-1030	HIGHWOOD REA	920	949	980	1012	1045	1079	1114	1150	1187	1226
2-1040	WAGNER W/BR	2283	2456	2636	2829	3037	3259	3493	3754	4029	4324
2-1090	CUT BANK PUMP	5104	5382	5679	5996	6335	6697	7083	7495	7935	8406
2-1221	NORTH CONRAD W/BR	1875	1986	2108	2242	2391	2555	2735	2934	3154	3396
2-1222	SOUTH VALIEF W/BR	900	970	1045	1127	1214	1309	1411	1520	1639	1766

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2-1310	NORTHWEST NO. 1	9605	9856	10114	10378	10649	10928	11214	11507	11808	12117
2-1320	BIG SANDY REA	828	855	883	912	941	972	1004	1036	1070	1105
2-1330	CONRAD 24KV LINE	3190	3267	3346	3426	3509	3593	3680	3768	3859	3952
2-1340	VALIER 25KV	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250
2-1360	MALMSTROM AFB	10739	11794	12859	13920	14981	15043	15105	15168	15231	15295
2-1970	STEVENS PUMP	365	379	393	407	423	438	455	472	489	508
2-2010	HOPP ILLIAD W/BR	550	565	580	596	613	629	647	665	683	702
2-2020	LAREDO (SKYBOY) W/B	1086	1097	1108	1119	1130	1141	1153	1164	1176	1188

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3- 110	ANDERSON	25	25	25	25	25	25	25	25	25	25
3- 120	BROADVIEW	707	748	792	837	884	933	984	1037	1093	1150
3- 125	JENSEN	258	260	263	265	268	271	274	276	279	282
3- 130	IVANHOE NO. 1	2081	2236	2409	2602	2316	3055	3320	3616	3944	4310
3- 140	LITTLE WALL NO. 2	505	506	508	509	510	511	512	513	514	516
3- 150	WILLOW CREEK NO. 3	316	318	320	322	324	326	328	330	332	335
3- 160	ROUNDUP NO. 4	810	325	340	856	872	888	904	921	938	955
3- 170	CUSHMAN	100	103	106	109	113	116	119	123	127	130
3- 180	GAGE	1039	1134	1237	1350	1474	1609	1756	1917	2092	2283
3- 190	IVANHOE	1181	1229	1278	1330	1383	1439	1497	1558	1620	1686
3- 195	KEEFER - EKLUND	248	261	274	289	304	319	336	354	372	392
3- 200	LAVINA	541	563	585	609	633	659	685	712	741	771
3- 210	LAVINA (FERGUS REA)	96	97	98	99	100	101	102	102	103	104
3- 220	MELSTONE NO. 1	906	910	915	919	924	928	933	937	942	947
3- 230	MOUNTAIN STATES MIN	697	713	731	748	766	784	803	823	842	863
3- 240	MUSSELSHELL	518	549	582	616	653	691	732	776	822	871
3- 245	M. V. FEEDLOT	66	68	70	72	74	76	79	81	84	86
3- 250	ROUNDUP	5239	5284	5329	5375	5422	5469	5517	5565	5614	5664
3- 260	ROUNDUP-FERGUS REA	5867	6461	7116	7836	8630	9505	10468	11528	12696	13982
3- 270	ROUNDUP-MCCONE REA	1452	1491	1531	1573	1616	1660	1705	1751	1798	1847
3- 280	RYEGATE	558	585	614	643	675	708	742	778	816	856
3- 290	RYEGATE-FERGUS REA	378	394	410	427	444	463	482	501	522	543

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3- 300	SUMATRA	4030	4311	4610	4931	5274	5641	6033	6452	6901	7381
3- 330	CLARK RANCH	48	49	49	50	50	51	51	52	52	53
3- 331	WESTMORELAND	4401	4349	14900	25452	25405	25361	25318	25277	25237	25199
3- 340	COLSTRIP TOWN	4435	4879	5367	5903	6494	7143	7857	8643	9507	10458
3- 341	COLSTRIP TOWN #2	1411	1482	1556	1634	1715	1801	1891	1986	2085	2189
3- 350	COLSTRIP (SHOP)	790	837	888	941	997	1057	1121	1188	1259	1335
3- 360	COLSTRIP (NO. 6-C)	1691	1772	1856	1947	2041	2139	2242	2350	2463	2581
3- 361	ARMELL'S CREEK	17500	17500	17500	17500	17500	17500	22000	22000	22000	22000
3- 370	COLSTRIP (PEABODY)	2268	2449	2645	2857	3086	3332	3599	3887	4198	4534
3- 371	NICHOLS PUMP	5443	5933	6467	7049	7683	8375	9128	9950	10845	11822
3- 380	DRINGMAN	90	104	120	138	159	184	212	244	281	324
3- 390	FARLEY RANCH	25	25	25	25	25	25	25	25	25	25
3- 400	GREER	45	45	45	45	45	45	45	45	45	45
3- 410	HARDIN	3535	3645	3758	3875	3996	4121	4249	4381	4518	4659
3- 420	HARDIN FEED MILL	502	549	602	659	722	790	865	948	1038	1137
3- 430	HARDIN ROAD	1533	1777	2060	2388	2769	3209	3721	4313	5000	5796
3- 431	LOCKWOOD REA	1530	1767	2040	2355	2719	3140	3625	4186	4833	5580
3- 436	SCHAAK REA	560	593	629	667	707	749	794	842	892	946
3- 440	HARDIN - BIG HORN R	5771	6116	6482	6870	7282	7718	8180	8669	9188	9738
3- 450	PRYOR (Y. VAL. REA)	1209	1289	1375	1466	1564	1667	1778	1896	2022	2156
3- 460	TONGUE RIVER REA	7500	8167	8893	9684	10545	11482	12503	13614	14825	16143
3- 470	TULLOCK CREEK	32	33	33	34	35	36	36	37	38	39

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3- 480	YELLOWTAIL (BIG HOR	706	709	712	715	718	721	724	727	730	733
3- 490	BILLINGS RIMROCK	8972	9400	9848	10318	10810	11326	11866	12432	13026	13647
3- 510	BILLINGS STEAM PLAN	7420	7865	8337	8837	9367	9929	10525	11156	11826	12536
3- 520	BILLINGS CITY SUB N	5404	5416	5428	5441	5453	5465	5478	5490	5503	5515
3- 530	BILLINGS CITY SUB N	6108	6257	6410	6566	6726	6890	7058	7230	7407	7537
3- 540	BILLINGS CITY SUB N	4093	4230	4371	4518	4669	4825	4987	5153	5326	5504
3- 550	BILLINGS CITY SUB N	5646	5835	6035	6246	6470	6706	6958	7275	7507	7806
3- 551	BILLINGS CITY SUB N	5088	5230	5379	5536	5700	5874	6057	6250	6453	6668
3- 580	BILLINGS EAST SIDE	9569	10059	10574	11116	11685	12284	12913	13574	14269	15000
3- 584	BLGS EAST SIDE #3	2722	2858	3001	3151	3308	3474	3647	3830	4021	4222
3- 585	BLGS EAST SIDE #4	4032	4234	4445	4668	4901	5146	5403	5673	5957	6255
3- 591	BLGS CONT. REF 1	11469	12019	12595	13199	13331	14494	15189	15918	16681	17480
3- 592	BLGS CONT. REF 2	8526	8935	9363	9812	10283	10775	11292	11833	12401	12995
3- 600	BILLINGS CONT. PIPE	2322	2521	2736	2970	3225	3501	3800	4125	4478	4861
3- 610	BILLINGS HUMBLE NO.	12013	12971	14005	15122	16328	17630	19035	20553	22192	23961
3- 620	BILLINGS HUMBLE NO.	7862	8086	8314	8546	8782	9022	9267	9516	9769	10027
3- 630	BILLINGS HUMBLE NO.	9673	10350	11074	11850	12679	13567	14516	15532	16620	17783
3- 640	BILLINGS SEMINOE	4483	4739	5009	5295	5598	5917	6255	6612	6990	7389
3- 650	HUNTLEY - YEL.VAL.	8106	8865	9682	10562	11509	12528	13626	14807	16080	17449
3- 660	BILLINGS BELLROCK 1	10715	11012	11318	11631	11954	12285	12625	12975	13335	13705
3- 670	BILLINGS BELLROCK 2	11351	11352	11352	11352	11352	11352	11352	11352	11352	11352
3- 680	BILLINGS 8TH WEST 1	13652	14640	15686	16795	17970	19214	20532	21928	23408	24974

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3- 690	BILLINGS 8TH WEST 2	10800	10861	10922	10983	11045	11107	11169	11232	11295	11358
3- 691	BILLINGS 8TH WEST 3	12575	14112	15820	17715	19813	22130	24682	27484	30550	33893
3- 695	KING AVE	4000	4783	5720	6840	8179	9781	11696	13986	16725	20
3- 700	ABSAROKEE	784	834	887	944	1004	1069	1137	1210	1287	1369
3- 710	ABSAROKEE REA	1400	1482	1570	1663	1761	1865	1975	2092	2215	2346
3- 720	CHROME JUNCTION	20	20	20	20	20	20	20	20	20	20
3- 730	COLUMBUS	2337	2512	2699	2900	3116	3348	3598	3866	4154	4464
3- 740	COLUMBUS (B.T. REA)	1566	1681	1805	1938	2081	2234	2399	2575	2765	2969
3- 750	COLUMBUS-CATTLELD	134	142	150	159	169	179	189	200	212	225
3- 770	COLUMBUS-HOLMGREN	56	56	56	56	56	56	56	56	56	56
3- 780	COL.-PIERCE RANCH	39	40	42	44	46	48	51	53	56	59
3- 790	COL-PIERCE-GODDARD	105	105	105	105	105	105	105	105	105	105
3- 795	COLUMBUS PUMP	1236	1298	1363	1431	1502	1577	1656	1739	1826	1917
3- 800	LAUREL EAST BANK	5545	5906	6290	6699	7134	7598	8092	8619	9179	9776
3- 820	LAUREL N.P.	539	580	625	673	725	781	842	907	977	1052
3- 825	LAUREL PUMP	816	820	823	827	831	835	839	844	848	852
3- 830	LAUREL PEAVEY	150	150	150	150	150	150	150	150	150	150
3- 840	LAUREL-CENEX	6700	6834	6971	7110	7252	7397	7545	7696	7850	8007
3- 850	MOSSMAIN (Y.V. REA)	4100	4300	5680	5889	6105	6329	6561	6802	7052	7311
3- 860	NYE (B.T. REA)	593	642	695	753	815	883	956	1036	1122	1215
3- 870	PARK CITY	637	690	747	809	876	949	1027	1112	1204	1304
3- 880	PARK CITY - Y.V. RE	1700	1950	2200	2333	2486	2643	2809	2988	3174	3374

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3- 890	REED POINT	323	345	369	394	421	450	481	514	550	587
3- 900	REED POINT - B.T. R	549	590	634	682	733	788	848	911	980	1053
3- 910	REED POINT - FAW	153	162	172	182	193	204	217	230	243	258
3- 920	BEAR CREEK	84	85	85	86	87	88	89	90	91	92
3- 930	BRIDGER	769	786	803	821	840	859	878	897	918	938
3- 935	BRIDGER - CHANCE	1929	1946	1962	1979	1995	2012	2029	2047	2064	2082
3- 940	BRIDGER PUMP	1331	1326	1321	1316	1311	1307	1302	1297	1292	1287
3- 942	BRIDGER-NEWMONT	284	298	313	328	345	362	380	399	419	440
3- 950	DRY CREEK	194	205	217	229	242	256	271	286	302	320
3- 955	EAST ROSEBUD	102	104	106	108	110	113	115	117	120	122
3- 960	EAST ROSEBUD REA	152	163	174	187	201	215	231	247	265	285
3- 970	EDGAR - B.T. REA	1607	1719	1839	1966	2103	2249	2405	2572	2751	2942
3- 975	ROCKVALE	1265	1280	1295	1310	1325	1341	1357	1373	1390	1407
3- 980	FROMBERG	628	673	719	767	817	868	920	974	1030	1088
3-1010	RED LODGE	2958	3170	3398	3641	3902	4181	4481	4802	5146	5515
3-1015	LUTHER - B.T. REA	510	600	700	721	743	765	788	811	836	861
3-1020	RED LODGE GRIZZLY P	533	592	658	731	812	902	1002	1114	1237	1374
3-1030	RED LODGE - B.T. RE	1355	1472	1598	1736	1885	2047	2223	2414	2622	2848

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4- 13	HARLOWTON DIST	2089	2121	2154	2187	2221	2255	2290	2325	2361	2397
4- 22	TWO DOT STEPUP	842	868	896	926	956	990	1026	1062	1102	1144
4- 40	UTICA	1124	1208	1298	1395	1498	1610	1730	1859	1997	2146
4- 120	HARLOWTON REA	914	989	1071	1160	1257	1361	1474	1596	1729	1872
4- 130	WINNECOOK K-6	31	30	29	28	27	26	25	24	24	23
4- 131	BOULEVARD	6284	6400	6518	6639	6762	6887	7015	7144	7277	7411
4- 140	SHAWMUT	83	83	79	74	71	67	63	60	57	54
4- 150	SHAWMUT REA	25	25	25	25	26	26	26	26	27	27
4- 170	BARBER	166	170	175	180	186	192	199	206	215	224
4- 200	NIHILL	888	953	1022	1096	1176	1261	1353	1452	1557	1670
4- 211	JUDITH GAP	367	373	378	384	389	395	401	407	413	420
4- 220	STRAW	825	848	872	897	922	947	974	1001	1029	1058
4- 230	ROYSTON	33	33	34	35	35	36	37	37	38	39
4- 231	RUBY GULCH REA SUB	850	850	875	900	928	957	986	1015	1046	1078
4- 240	MOORE	978	1008	1041	1077	1116	1157	1203	1252	1305	1362
4- 260	GLENGARRY REA	1277	1287	1296	1306	1316	1326	1336	1346	1357	1367
4- 268	BERG SAWMILL	247	255	262	270	278	287	295	304	313	323
4- 270	LEWISTOWN NO.1	2631	2685	2739	2794	2851	2908	2967	3027	3088	3151
4- 280	HEATH REA	1326	1362	1398	1435	1473	1512	1553	1594	1636	1680
4- 290	HEATH U.S. GYPSUM	962	966	969	973	976	980	984	987	991	994
4- 340	LEWISTOWN RADAR	272	274	276	278	280	282	284	285	287	290
4- 350	HILGER REA	5500	5731	5972	6223	6485	6758	7042	7338	7647	7969

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4- 410	LEWIS. NO. 3 PEAVEY	203	208	209	209	209	210	210	210	211	211
4- 420	HANOVER JCT	149	152	155	158	161	164	168	171	174	178
4- 430	ROSSFORK M-11	38	37	37	37	37	37	36	36	36	36
4- 440	KOLIN REA	461	485	512	539	568	599	631	665	701	739
4- 450	MOCCASIN	537	559	581	604	627	652	676	702	728	755
4- 460	WINDHAM	978	1054	1136	1224	1320	1423	1534	1653	1782	1921
4- 501	STANFORD CITY	2263	2415	2578	2752	2937	3135	3347	3572	3813	4070
4- 510	DENTON	1727	1736	1745	1754	1763	1772	1781	1791	1800	1809
4- 530	SQ. BUTTE NO. 258	15	15	15	16	16	16	17	17	18	18
4- 540	GERALDINE	1281	1310	1338	1368	1398	1429	1460	1493	1525	1559
4- 550	MERINO R-1	47	47	48	48	49	49	50	50	51	51
4- 560	GEYSER	101	102	103	104	105	106	107	108	109	110
4- 990	FERGUS REA (GEYSER)	981	1038	1098	1161	1229	1300	1375	1454	1539	1623

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6- 130	MAD STORAGE	434	437	440	444	447	451	454	458	461	465
6- 143	KYD PUMP	1997	2077	2160	2246	2336	2429	2527	2628	2733	2842
6- 150	IDEAL CEMENT	6298	6367	6437	6508	6579	6651	6724	6797	6872	6947
6- 151	THREE FORKS SUB	2195	2378	2576	2791	3023	3275	3548	3844	4164	4511
6- 152	THREE FORKS NO. 2	1991	2016	2041	2067	2093	2119	2145	2172	2199	2227
6- 180	ENNIS	2092	2286	2508	2760	3047	3375	3748	4173	4658	5210
6- 190	MADISON VALLEY	669	677	685	693	701	709	718	727	735	744
6- 200	LOGAN	107	108	109	110	112	113	114	115	116	118
6- 211	MANHATTAN	2100	2268	2450	2646	2858	3086	3334	3600	3889	4200
6- 220	BELGRADE	5500	5911	6347	6810	7301	7822	8376	8963	9586	10247
6- 222	MOUNTAIN VILLAGE	8000	10000	10900	11950	13000	14500	15200	16800	18500	20000
6- 241	BOZ NORTHSIDE	6023	6037	6051	6064	6078	6092	6106	6120	6134	6143
6- 243	MEADOW VILLAGE	4800	5360	5700	6200	6800	7500	8100	8800	9600	10200
6- 250	BOZ SOUTHSIDE NO 3	5120	5461	5825	6213	6628	7070	7541	8044	8580	9152
6- 251	BOZ SOUTHSIDE NO 1	4703	4877	5054	5236	5423	5613	5809	6009	6214	6424
6- 252	BOZ SOUTHSIDE NO 2	4668	4683	4708	4728	4748	4768	4789	4809	4830	4850
6- 300	CHERRY CREEK	77	81	85	89	94	98	103	109	114	120
6- 311	BOZ HOT SPRINGS	4000	4377	4791	5243	5738	6280	6873	7522	8232	9010
6- 320	BOZ SOURDOUGH	4817	4836	4956	5028	5100	5173	5247	5322	5399	5478
6- 321	EAST GALLATIN	6116	6574	7067	7597	8167	8780	9438	10146	10907	11725
6- 330	MOUNT ELLIS W/BR	742	825	917	1020	1134	1261	1402	1559	1733	1927
6- 340	MUIR	411	452	497	546	601	660	726	798	877	964

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6- 350	CLYDE PARK REA	1309	1336	1363	1390	1418	1447	1476	1506	1536	1567
6- 361	LIVINGSTON CITY	5231	5245	5259	5273	5288	5302	5317	5331	5346	5360
6- 362	LIVINGSTON N. SIDE	3563	3669	3779	3891	4007	4127	4249	4376	4506	4641
6- 363	DOWNER SUB	140	142	144	146	148	151	153	155	157	160
6- 364	PINE CREEK REA	605	635	667	700	735	772	810	851	894	938
6- 380	MANHATTAN PUMP	1516	1621	1734	1855	1984	2122	2269	2427	2596	2776
6- 390	LIVINGSTON REA	1033	1151	1280	1419	1570	1734	1912	2105	2315	2543
6- 410	CHICO REA	1008	1011	1015	1018	1021	1024	1028	1031	1034	1038
6- 420	CHICO	30	30	30	30	30	30	30	30	30	30
6- 450	BROGAN	329	343	358	373	389	407	425	445	465	487
6- 470	GARDINER	1353	1422	1494	1569	1648	1732	1819	1911	2008	2109
6- 500	MAMMOTH	1162	1229	1300	1376	1457	1545	1639	1740	1843	1964
6- 510	NORRIS JUNCTION	38	39	39	40	41	41	42	43	44	45
6- 520	CANYON	989	1048	1109	1174	1244	1317	1394	1476	1563	1655
6- 530	LAKE FISHING BRIDGE	2232	2453	2695	2962	3255	3577	3930	4319	4746	5216
6- 540	WEST THUMB	537	583	633	688	747	812	882	958	1041	1130
6- 550	MADISON JUNCTION	72	72	72	72	72	72	72	72	72	72
6- 560	OLD FAITHFUL	2007	2232	2481	2758	3066	3409	3789	4213	4683	5206
6- 601	BURKLAND LUMBER	588	592	595	600	605	609	613	618	622	626
6- 602	PARK LUMBER	273	274	276	278	279	281	282	284	285	287
6- 610	EBERT - WINDSOR	664	676	688	701	715	729	744	759	775	792
6- 620	HUNTERS HOT SPRINGS	191	198	205	212	219	226	234	242	250	259

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
6- 630	SPRINGDALE PUMP	2367	2538	2721	2917	3127	3353	3595	3854	4132	4429
6- 631	SPRINGDALE REA	318	331	344	358	372	387	403	419	436	453
6- 640	MCLEOD REA	381	394	408	423	437	453	469	485	502	520
6- 650	BIG TIMBER	1979	2071	2168	2269	2375	2486	2602	2723	2851	2984
6- 660	MELVILLE	564	588	612	638	664	692	720	750	781	814
6- 670	GREY CLIFF	265	272	279	287	295	303	311	320	328	337
6- 690	BIG TIMBER REA	754	791	831	872	916	961	1009	1059	1112	1167
6- 700	FRAZIER PUMP	50	52	54	56	58	61	63	66	68	71
6- 710	GREEN RANCH	159	162	166	169	172	176	179	183	186	190

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
7- 20	BASIN	254	264	275	286	297	309	321	334	347	361
7- 70	CANYON CREEK	1891	1936	1983	2032	2081	2132	2183	2236	2291	2346
7- 80	GILBERT	956	1032	1114	1203	1295	1402	1513	1634	1764	1905
7- 90	WOLF CREEK	774	809	847	886	926	969	1013	1060	1108	1159
7- 101	TOWNSEND	4712	4969	5239	5524	5825	6142	6477	6830	7202	7594
7- 111	TOSTON	1938	2107	2292	2493	2711	2948	3206	3487	3792	4124
7- 120	CROW CREEK W/BR	1952	1952	1952	1953	1953	1953	1953	1953	1954	1954
7- 130	LOWETH NO.1	3062	3168	3279	3393	3511	3633	3760	3891	4026	4166
7- 200	BOULDER	2563	2740	2930	3132	3348	3580	3827	4092	4374	4676
7- 220	KAISER CEMENT	5123	5133	5143	5153	5163	5173	5182	5192	5202	5212
7- 240	EAST HELENA AS&R	2894	8950	9008	9067	9126	9137	9250	9313	9378	9443
7- 260	ALHAMBRA	1578	1802	2058	2350	2684	3064	3500	3996	4564	5211
7- 301	EAST HELENA TOWN &	8415	9004	9634	10309	11030	11802	12629	13513	14459	15471
7- 302	EAST HELENA ACM	2467	2485	2503	2521	2539	2557	2575	2594	2613	2632
7- 303	NAT CYLINDER GAS	1348	1356	1364	1373	1381	1389	1398	1406	1415	1423
7- 320	YELLOWSTONE PIPE	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055
7- 321	HELENA EAST SIDE 1	6225	6653	7110	7599	8122	8680	9277	9914	10596	11324
7- 322	HELENA EAST SIDE 2	5292	5577	5934	6126	6432	6754	7092	7446	7819	8210
7- 331	HELENA FRONT STREET	5609	5777	5951	6129	6313	6502	6697	6898	7105	7318
7- 332	HELENA FRONT STREET	3916	4033	4154	4279	4407	4540	4676	4816	4961	5109
7- 351	HELENA WEST SIDE 1	5496	5606	5719	5834	5951	6070	6192	6317	6444	6573
7- 352	HELENA WEST SIDE 2	8288	8985	9772	10661	11666	12800	14081	15528	17162	19008

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
7- 353	HELENA WEST SIDE 3	2200	4000	4240	4494	4764	5050	5353	5674	6015	6375

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
S- 71	MISSOULA #1 3.3 KV	8179	8011	7847	7686	7528	7373	7222	7073	6928	6786
S- 72	MISSOULA #1 BANK 3	9199	9406	9618	9835	10056	10283	10515	10752	10994	11242
S- 76	BONNER	14304	15082	15836	16628	17460	18333	19249	20212	21222	22283
S- 100	FRENCHTOWN W/BPA	3900	4500	5000	5500	6000	6500	7000	7600	8200	8800
S- 107	HOERNER-WALDORF BAN	8653	9300	9996	10744	11547	12411	13339	14337	15409	16562
S- 108	HOERNER-WALDORF BAN	8653	9300	9996	10744	11547	12411	13339	14337	15409	16562
S- 109	HOERNER-WALDORF BAN	8561	9190	9866	10591	11369	12205	13102	14065	15099	16209
S- 120	ALBERTON	796	837	881	927	975	1025	1079	1135	1194	1256
S- 140	DIAMOND MATCH	2701	2703	2705	2706	2708	2710	2712	2713	2715	2717
S- 150	SUPERIOR	1860	1935	2012	2093	2176	2263	2354	2448	2546	2648
S- 160	ST. REGIS	771	787	804	821	838	856	874	892	911	930
S- 180	HAUGEN	171	172	173	174	175	177	178	179	180	181
S- 181	HUSON REA	2000	2100	2300	2400	2500	2700	2800	3000	3100	3300
S- 190	SALTESE	233	244	255	267	280	294	309	326	344	363
S- 219	MISSOULA #1 BANK 4	9326	9536	9751	9970	10195	10425	10660	10900	11146	11397
S- 220	MISSOULA #2 BANK 3	15300	15606	15913	15236	16561	16892	17230	17575	17926	18285
S- 221	MISSOULA #2 BANK 1	18000	18681	19388	20121	20882	21672	22492	23342	24225	25141
S- 222	MISSOULA #2 BANK 2	17407	18239	19112	20027	20985	21989	23041	24143	25299	26509
S- 231	MISSOULA #3 BANK 1	8929	8978	9027	9076	9126	9175	9225	9275	9326	9377
S- 232	MISSOULA #3 BANK 2	14638	15154	15689	16243	16817	17410	18025	18661	19320	20002
S- 250	PLAINS	4769	4996	5233	5482	5742	6015	6301	6600	6914	7243
S- 272	THOMPSON FALLS YPL	1535	1553	1572	1591	1610	1629	1649	1669	1689	1709

INST. NO.	SUBSTATION	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
9- 510	THOMPSON FALLS LUMB	1008	1024	1040	1056	1072	1088	1105	1122	1139	1157
9- 530	THOMPSON FALLS RURA	61	63	65	67	69	71	73	76	78	80
9- 570	LOLO	5080	5334	5601	5881	6175	6484	6808	7149	7506	7881
9- 580	FLORENCE	764	839	922	1013	1113	1223	1344	1477	1623	1733
9- 590	STEVENSVILLE	2394	2522	2657	2800	2950	3108	3274	3450	3635	3829
9- 610	STEVENSVILLE W/BPA	2400	2600	2900	3100	3300	3600	3900	4300	4600	4900
9- 620	VICTOR	755	757	760	762	765	768	770	773	776	779
9- 639	GRANTSDALE W/BPA	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000
9- 640	HAMILTON CITY	3332	3428	3526	3626	3728	3833	3940	4049	4161	4275
9- 641	HAMILTON RURAL	3510	3840	4200	4594	5026	5497	6013	6578	7195	7871
9- 650	CORVALLIS	1527	1604	1685	1769	1859	1952	2050	2154	2262	2376
9- 660	DARBY	7725	7957	8195	8441	8695	8955	9224	9501	9786	10079
9- 681	THOMPSON FALLS CITY	2771	2879	2991	3108	3229	3355	3486	3623	3764	3911
9- 682	THOMPSON FALLS REA	1500	1600	1700	1900	2000	2100	2200	2300	2400	2500
9- 700	FLODIN LUMBER	1130	1162	1195	1229	1263	1299	1336	1374	1413	1453
9- 710	RAVENNA W/BPA			448	470	494	519	545	572	600	630
9- 720	TARKIO REA	585	645	710	782	861	948	1044	1149	1265	1393
9- 730	CORVALLIS W/BPA	4600	5100	5500	6100	6600	7300	7600	8200	8800	9400